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MICHAEL'S

**SEED
ANNUAL**

**GARDEN, FIELD AND
GRASS SEEDS**

SEEDS

SEASON 1912

THE

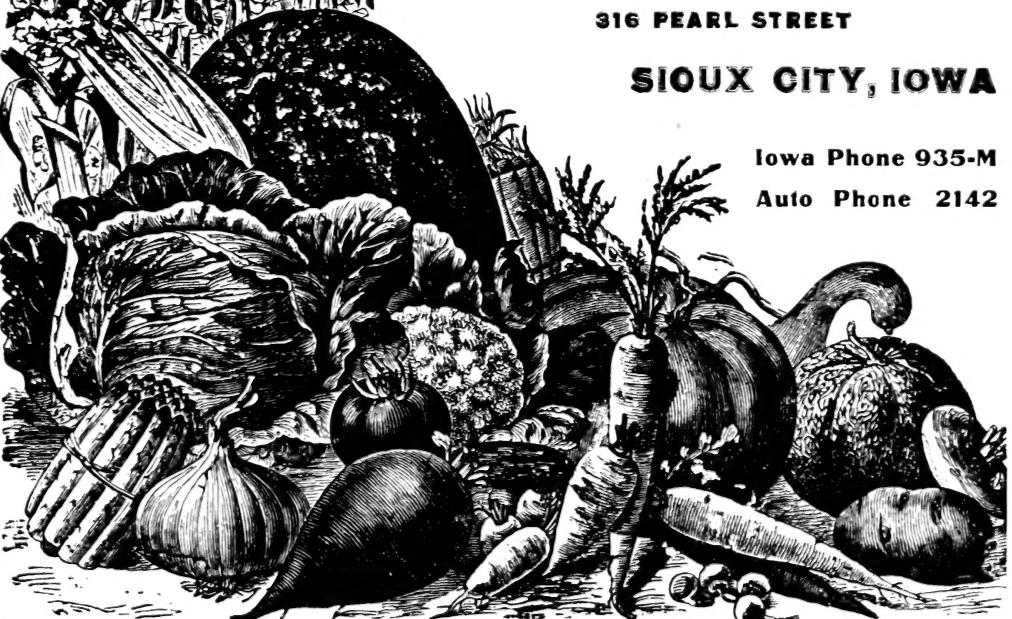
Michael Seed Store

316 PEARL STREET

SIOUX CITY, IOWA

Iowa Phone 935-M

Auto Phone 2142



SPECIAL NOTICE:

you well, to buy your seeds of any kind at our **Seed Store**. You will find with us new stocks and a full line of everything in Seeds, and greatly, too, to your advantage in both price and quality. Our **Garden Seeds** are the very best obtainable, planted, grown, and saved by special growers of the different kinds of seed, and while we exercise the greatest care to have all seeds pure and reliable, we give no warranty, expressed or implied, as to description, quality, productiveness, or any other matter of any **Seeds, Bulbs, Plants or Nursery Stock** we handle sent out, and we will not be in any way responsible for the crop. **The Field and Grass Seeds** we handle are clean and pure, free from foul and obnoxious weed seeds. We invite every farmer to come and see our stocks before sending away or buying their seeds, as we feel satisfied that when you see our stock you will do business with us.

INDEX

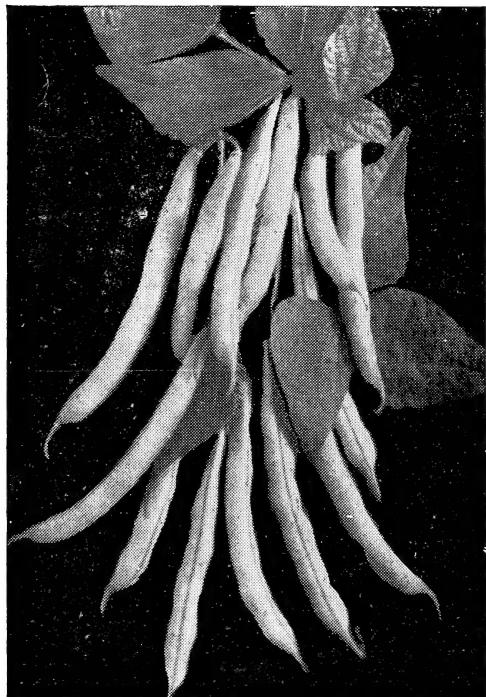
	Page
Garden Seed	1 to 11
Grass Seed	15 to 17
Flower Seed	12 to 13
Flowering and Bedding Plants	15
Bulbs and Roots for Spring Planting	14
Autumn Bulbs	24
Vegetable Plants	15
Miscellaneous Vegetables	10 to 11
Herb Seeds	11
Seed Corn	18
Seed Oats	19
Seed Barley	19
Seed Potatoes	19
Strawberry Plants	19
Fruit Trees and Small Fruit	20 to 21
Roses and Shrubs	21
Poultry Supplies	22
Garden Tools	23
Fertilizers	23
Insecticides	24
Peonies and Hardy Ferns	3d Page Cover
Magic Lawn Grass	4th Page Cover



ALFALFA.



Italian Rye Grass



A New Wax Bean

ROYAL PURPLE ROUND POD.

This new Wax Bean has the greatest merit of any Wax Bean introduced in the last twenty-five years.

This new Bean, introduced by us for the first time in 1908, promises to be a great accession to the market gardeners.

DESCRIPTION—Plant large, without runners; generally drooping with fruit-laden branches, and spreading when fully grown. The season is early; the leaf is round and yellow in color; very brittle; stringless; without fibre and unsurpassed in quality. Owing to its being a prolific bean and as tender as the Crystal White Wax, it will be much in demand by the market gardeners, or those wanting a first class, round pod, wax bean.

Price per pint 20c; quart 35c; peck \$2.00.

PRICE LIST OF

BULK VEGETABLE SEEDS

Seeds are Different from other merchandise. The real value of seeds can only be known after months of labor. Buy your seeds of a reliable **Seed Store** with a reputation back of it. Seed of real merit must be grown and sold by practical, trained **Seedsmen**, with a reputation made, and to be maintained.

BEANS, PEAS AND SWEET CORN come first—other
SEEDS in alphabetical order.

Prices quoted are f. o. b. Sioux City, Ia. If ordered sent by mail, add 10c per pint, 15c per quart, or 8c per pound to catalogue prices.

BEANS

Beans are very sensitive to both cold and wet. It would be useless to plant them until the ground is warm. They can be safely planted first when the apple is in bloom. For garden culture make your rows about 18 inches apart, and plant the beans so that the vines may grow out four inches apart in the rows. Beans mature in about 30 to 50 days after germination. One quart plants about 100 foot rows. Some sorts are a failure this season. We quote such leading kinds as are best suited for this section's soil.

Golden Wax. The old standard wax sort. Productive and early with yellow semi-round pods of good quality. Improved Golden Wax also at same prices. **Price, pint, 15c, quart 25c, peck \$1.75.**

Prolific Black Wax. The old standard Black Wax Bush Bean. The pods are round, brittle, of handsome golden yellow color, and of buttery flavor when cooked. **Price, pint 15c, quart 25c, peck \$1.75.**

Royal Purple Wax. Early, prolific, stringless and very brittle. Pod round and very tender. One of the best improved sorts. **Price, per pint 20c, quart 35c, peck \$2.00.**

Wardwell's Kidney Wax. Very productive, pods long, broad, thick, flat, and of a delicate waxy yellow, of excellent quality. **Price, pint 15c, quart 25c peck \$1.75.**

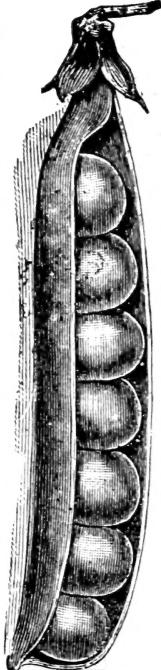
Davis White Wax. A new white, rustless, productive, wax-podded bean; pods flat, very long, white waxy color, and handsome; seeds clear white. **Price, pint 15c, quart 30c, peck \$1.75.**

Stringless Green Pod. A very desirable green podded snap sort for the home garden and the market. The pods fleshy, high quality, crisp and tender. **Price, pint 15c, quart, 25c, peck \$1.75.**

Extra Early Round Pod Red Valentine. For snaps there is nothing superior to this dwarf green podded sort, both for the home and market garden. Many prefer it to the wax varieties. Pods medium length, curved cylindrical, with crease in back, very fleshy, crisp and tender. **Price, pint 15c, quart 25c, peck \$1.40, bushel \$5.75.**

Bush Lima (Burpee's). A true bush form of the large White Lima, a circular bush 15 to 20 inches high, self-supported by its own thick stems. Unsurpassed in productivity and quality of its large, handsome pods. **Price, pint 20c, quart 35c, peck \$2.00.**

Large White Lima. Vine tall growing requires poles or support, pods borne in clusters, long, broad, very thin, dark green; seed very large, oval, flat, greenish white. **Price, per pint 10c, pint 25c, quart 35c.**



Little Gem Pea.

Kentucky Wonder, or Old Homestead. Pole variety, long flat green pods, seven to nine inches in length, fleshy and stringless. Heavy yielder. Excellent for snap beans. **Price, 1/2 pint 10c, pint 15c, quart 30c.**

PEAS

Peas are among the earliest seeds that can be planted at the close of winter. The **round, smooth sorts** are the **hardiest** and are often planted without danger before the frost is out of the ground. The wrinkled sorts are not so hardy and cannot with safety be planted quite so early; but plant all kinds as early as possible and plant on a warm, quick, rich soil. Peas will mature earlier if planted only **an inch deep**. Where earliness is most important they should not be planted deeper, but **larger pods** and more of them may be had by **deeper planting**. Dwarf varieties are planted in rows 15 inches to 2 feet apart. Two quarts of seeds sow a hundred yards of rows.

Michael's Early June. The earliest of all peas. Similar to Alaska. Quality good. **Price, pint 15c, quart 25c, peck \$2.00.**

Alaska or Earliest of All. This is without exception the earliest variety of peas grown. They grow about knee high and set very full of dark green pods, which are almost all ready to pick at one picking. Seed blue when ripe. Will stand planting in the ground before any other sort. **Price per pint, 15c, quart, 25c, peck, \$2.00, bushel \$8.00.**

Ferry's First and Best. The earliest and most even, extra early peas in existence, maturing well together. Vines vigorous and hardy, two and one-half feet high, smooth peas of fair quality. The seed is small, smooth, yellowish white. **Price, pint 15c, quart 25c, peck \$2.00.**

Little Gem. Probably the best known and most widely grown second early. It comes in following the first earlies, grows about 15 to 18 inches high and bears heavily of large plump pods. The peas are wrinkled and very sweet. **Price per 1/2 pint 15c, pint 25c, quart 35c, peck \$2.00.**

PEAS—Continued

Nott's Excelsior. A very sweet, very dwarf, early pea, small bush, about 15 inches high. Bears very heavily in a favorable season but subject to weather conditions more than the smooth peas. Very high quality. Price, $\frac{1}{2}$ pint 15c, pint 25c, quart 40c, peck \$2.50.

American Wonder. Somewhat similar to Nott's Excelsior, a very early wrinkled pea, very dwarf, growing about 8 inches high. Pods quite large but not many to a vine. Price, $\frac{1}{2}$ pint 10c, pint 25c, quart 40c, peck \$2.50.

Advancer. Similar to Gem but still larger and later. It is generally classed as a second early, but is more nearly a main crop variety. Has the same quality a little later, grows a little taller and stays in bearing longer, good yielder and good seller. Price, $\frac{1}{2}$ pint 15c, pint 25c, quart 35c, peck \$2.25.

Telephone. The Telephone is medium early in season, bears a long time; the pods are always of good size, well filled and the quality is of the very best. Price, $\frac{1}{2}$ pint 15c, pint 25c, quart 45c.

Champion of England. The best late season tall pea. One of the oldest varieties of peas and unsurpassed in quality. There is no sweeter pea than the Champion of England. The vines grow almost 5 feet high, are very vigorous and produce a heavy crop of good sized pods filled from end to end with luscious peas. Price, $\frac{1}{2}$ pint 15c, pint 25c, quart 35c, peck \$2.25.

Black Eye Marrowfat (Late). A great yielder of ordinary quality peas. Price, pint 10c, quart 20c, peck \$1.00, bushel \$3.50.

White Marrowfat. Similar to Black Eye. Popular because of its heavy yield. Price, pint 10c, quart 20c, peck \$1.00, bushel \$3.50.

Edible Pod Pea. This class of peas is but little known. They have a sweet, brittle, succulent pod and can be used same as snap beans, cooking both pod and pea together. Price, $\frac{1}{2}$ pint 10c, pint 20c, quart 35c.

SWEET CORN

DON'T PLANT SWEET CORN DEEP— Sweet Corn should not be planted over one inch deep; most people plant two or three inches deep—most sure to rot. Also do not plant too early. Not as early as field corn.

Extra Early Cory. Standard early sort; fair quality and very early. Price, pint 10c, quart 15c, peck \$1.00, bushel \$3.50.

White Mexican. A new variety of recent introduction. Originated at Sioux City. It is a bud propagation of the old Black Mexican. Extra early, pure ivory white and very sweet. Early as any of the extra earlies and far sweeter than any of them. Price, pint 15c, quart 25c, peck \$1.25, bushel \$3.50.

Golden Bantam. A new variety of sweet corn which many people consider the richest and sweetest of all corns. It may be planted thickly and as late as July 17th. It is a medium early variety and yields very heavily. Price, pint 15c, quart 25c, peck \$1.25, bushel \$4.50.

Minnesota Ear'y. The best and most popular of the older varieties. The stalks are short and bear two long ears each, having eight rows of very sweet and tender kernels. Price, pint 10c, quart 15c, peck 25c, bushel \$2.50.

Crosby's Early. A most excellent second early variety of fine quality. Nice ears, very white, sweet and tender. This is a

sort largely grown for canning and has a great reputation for quality. Price, pint 10c, quart 15c, peck \$1.00, bushel \$3.75.

Country Gentleman. This variety frequently has four good sized ears, while the average is three to a stalk. The cob is very small, giving good kernels of pearly whiteness. The greatest merit of the "Country Gentleman" corn is its delicious quality; it is without doubt the sweetest and most tender of all sweet corn. Price, pint 15c, quart 25c, peck \$1.25, bushel \$4.50.

Stowell's Evergreen. The standard big late corn. Good big ears, sweet and solid, and heavy yielder. Used extensively by the canning factories and for drying. Stays green and tender for a long time. Select hand picked stock. Price, pint 10c, quart 15c, peck \$1.00, bu., \$3.00.

Sweet Corn for Fodder. Good vitality, per bushel, \$2.50.

TABLE BEETS

For earliest use and market, sow seed of any round sort under glass, in February or March, and transplant to open ground in March or April. Seed for main crop may be sown as soon as ground can be gotten in proper condition. For table beets sow in drills 18 inches apart, and thin to stand 3 to 4 inches apart in the rows. Use 1 ounce to 200 feet of drill and cover lightly; 5 to 6 lbs. per acre. Round and turnip shaped beets are best for spring and summer; the half long kinds for winter. For sugar beets and mangels make the rows $2\frac{1}{2}$ to 3 feet apart, and sow 6 to 8 pounds per acre. A light, loamy soil is best for all beets. Beet tops are much used for green. The Swiss Chard is one of the best for this use.

Detroit Dark Red Beet Superior to all others. A grand beet for market bunching; tops exceptionally small and upright; roots are perfect turnip shape with small tap root. Color dark blood red; quality of the very best, sweet, tender and lasting. One of the best for the market gardener and the home garden. Price, ounce 10c, 3 ounces 25c, $\frac{1}{2}$ pound 60c, pound \$1.00.

Extra Early Egyptian. An early variety, which is suitable for forcing and growing in the open garden. The tops are small and the beets are rounded on top, but flat at bottom end. The color of flesh is dark and light red and the beets are tender. Price, ounce 10c, 3 ounces 25c, $\frac{1}{2}$ pound 60c, pound \$1.00.

Crosby's Egyptian. A variety of beet which has nearly supplanted the original Egyptian, and is more desirable because of its shape and fine quality. It is extremely early, and may be grown either out of doors or under glass. The rich vermillion color makes it a very attractive sort. Price, ounce 10c, 3 ounces 25c, $\frac{1}{2}$ pound 60c, pound \$1.00.



TABLE BEETS—Continued

Early Blood Turnip. A fine selection of Blood Turnip Beet, early and good for summer and autumn use. **Price, ounce 10c, 3 ounces 25c, $\frac{1}{2}$ pound 60c, pound \$1.00.**

Early Eclipse. Perfectly smooth and round; skin and flesh intense red. This variety is extremely early. **Price, ounce 10c, 3 ounces 25c, $\frac{1}{2}$ pound 60c, pound \$1.00.**

Edmund's Blood Turnip. A good variety to follow the extra early sorts, and one of the best for winter use, as the roots keep remarkably well. The tops are not large. Skin and flesh are both dark red and the quality is good. **Price, ounce 10c, 3 ounces 25c, $\frac{1}{2}$ pound 60c, pound \$1.00.**

Long Smooth Dark Blood. This variety has long slender roots. The beets are seldom more than 2 inches through. Matures rather late, but is an excellent keeper. The flesh is dark red and quality excellent, sweet and tender. **Price, ounce 10c, 2 ounces 15c, $\frac{1}{2}$ pound 35c, pound 60c.**

Half Long Blood. One of the best for winter use. Roots only half as long as the Long Blood, but weigh as much on account of their thickness. Always smooth, and their rich, dark red flesh is very sweet, crisp and tender, never becoming woody, even in exposed portions. **Price, ounce 10c, 2 ounces 15c, $\frac{1}{2}$ pound 35c, pound 60c.**

Swiss Chard, or Spinach Beet. The leaves of Swiss Chard are used as greens, cooked in same manner as spinach, and the large ribs are prepared like asparagus, in which manner they are delicious. **Price, ounce 10c, 2 ounces 15c, $\frac{1}{2}$ pound 40c, pound 70c.**

MANGEL WURZEL**GIANT FEEDING BEET.**

Giant Feeding Sugar Beet, or Half Sugar Mangel. A strain of beets very desirable for stock feeding, affording not only a very large crop much easier to harvest than other sorts but much richer in sugar and other nutritive elements growing out of the ground. Can be harvested easily. **Price, pound 40c, 5 pounds \$1.50.**

Half
Sugar
Mangel
Wurzel



Giant Feeding Sugar Beet, or Half Sugar Mangel.

The
Best
For
Stock
Feed-
ing

Mammeth Long Red Mangel. This is the best of all the stock or "cow beets." It grows to enormous size and is almost as rich as the sugar beets. All sorts of stock will eat them, but they are especially good for milch sows. **Price, ounce 5c, $\frac{1}{4}$ pound 15c, pound 35c, 5 pounds \$1.35.**

Golden Tankard. Best for dairy farming. Considered indispensable among English dairy farmers; they are able to obtain a higher price for milk when feeding cows on Golden Tankard. It is of a rich deep yellow throughout. Early, hardy and a heavy cropper. **Price, ounce 5c, pound 40c, 5 pounds \$1.60.**

CABBAGE

Where any vegetable attains its highest degree of perfection there we may expect to grow the most select and purest strains of seed. Long Island, N. Y., is the most favored spot for the growing of Cabbage. Leading seedsmen of America get their selected stocks grown there. The seed we offer is grown on **Long Island** by a most careful grower, and we offer it with the full assurance that it is the best in the world and **American** grown seed.

Culture—The Cabbage is a great feeder and well repays heavy manuring and high culture. It succeeds best on well drained soil. Early cabbage may be started in early spring in a hotbed. For main crop, summer and autumn cabbage, the seed should be sown in a rich bed in the open air in May or June. Sow shallow; 1 oz. of seed for 4,000 plants; 3 to 4 oz. for an acre. Set the plants 2 to 3 feet apart each way. Give frequent cultivation.



Michael's Blockhead Cabbage. A Russian variety; for solidity, quality, hardiness and rapid growth, a vegetable wonder. **Pkts. 5c, $\frac{1}{2}$ ounce 15c, ounce 25c.**

Early Spring Cabbage. The earliest flat head. As early as Jersey Wakefield. Yields one-third more than the early pointed heads. Solid, uniform and finely grained heads. **Price, $\frac{1}{2}$ ounce 15c, ounce 25c, $\frac{1}{4}$ pound 60c, pound \$2.25.**

Early Jersey Wakefield. Considered by many gardeners the very best first early variety. Of large size for so early a kind and is certainly deserving of its great popularity. Heads hard and solid, and have few outside leaves. Our seed is extra select highest quality, American grown. **Price, $\frac{1}{2}$ ounce 15c, ounce 25c, $\frac{1}{4}$ pound 60c, pound \$2.25.**

CABBAGE—Continued



Extra Early Jersey Wakefield

Charleston or Large Wakefield. A strain in which the plant is larger and a little later than Early Jersey Wakefield, the head being fully as solid but less pointed. Exceedingly hardy and a very popular sort to follow Jersey Wakefield. **Price, $\frac{1}{2}$ ounce 10c, ounce 20c, $\frac{1}{4}$ pound 50c, pound \$1.75.**

Winningstadt. Cone-shaped summer sort; if sown late is good for fall and even winter; a sure header and a good keeper. **Price, $\frac{1}{2}$ ounce 10c, ounce 15c, $\frac{1}{4}$ pound 50c, pound \$1.50.**

All Head Early. All Head Early is of special value because of close adherence to the type in habit of growth and the shape and quality of the head. Plant compact, with few outer leaves. Head large, very solid, flat but very deep and uniform in size and shape. Quality excellent. Well adapted for kraut. By planting late it can be used also as a winter cabbage. **Price, $\frac{1}{2}$ ounce 10c, ounce 20c, $\frac{1}{4}$ pound 60c, pound \$1.75.**

Early Flat Dutch Cabbage. A valuable second early sort, with good size, solid heads. Sells well and are good keepers. **Price, $\frac{1}{2}$ ounce 10c, ounce 20c, $\frac{1}{4}$ pound 60c, pound \$1.75.**

Early Drumhead. A second early, sure heading cabbage of good quality. Head large, thick, flattened on the top, solid, crisp and tender. **Price, $\frac{1}{2}$ ounce 10c, ounce 20c, $\frac{1}{4}$ pound 60c, pound \$1.75.**

Henderson's Early Summer. An excellent second early cabbage. The head is of medium size, round, somewhat flattened and keeps longer without bursting than most of the early sorts. **Price, $\frac{1}{2}$ ounce 10c, ounce 20c, $\frac{1}{4}$ pound 60c, pound \$1.75.**

Henderson's Succession. An excellent variety of large flat head maturing in mid-summer. It can be brought to perfection in the hottest weather or may be used as an autumn or winter crop. **Price, $\frac{1}{2}$ ounce 10c, ounce 20c, $\frac{1}{4}$ pound 50c, pound \$1.75.**

All Seasons. This most excellent variety is as early as Henderson's Summer and makes considerably larger and harder heads. Excellent to plant late, the thickness of head making it a capital sort for keeping through the winter. **Price, $\frac{1}{2}$ ounce 10c, ounce 15c, $\frac{1}{4}$ pound 50c, pound \$1.75.**

Surehead. This cabbage is rightly named Surehead and never fails to make a remarkably fine, solid, large head with few outer leaves. Ripens late. First class main crop sort. **Price, $\frac{1}{2}$ ounce 10c, ounce 15c, $\frac{1}{4}$ pound 50c, pound \$1.75.**

Danish Ball-Head. Michael's Select Stock. The most popular of all late varieties for winter use. Genuine seed grown on Amager Island, Denmark. Because of its

"great solidity of head, and its unequalled keeping and shipping qualities, Danish Ball-Head has supplanted nearly all other varieties for winter use. **Price, $\frac{1}{2}$ ounce 15c, 25c, $\frac{1}{4}$ pound 80c, pound \$2.75.**

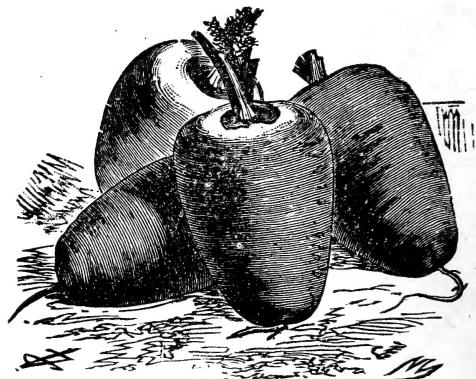
Premium Late Flat Dutch. This old and well known variety is still the standard winter kind. Heads large, solid and first class keeper. **Price, $\frac{1}{2}$ ounce 10c, ounce 15c, $\frac{1}{4}$ pound 50c, pound \$1.50.**

Late Drumhead. We recommend this sort for markets that require a very large, deep, solid head. A sure heading variety which in good, rich soil, will grow to a very large size which are very compact, solid and of excellent flavor. **Price, $\frac{1}{2}$ ounce 10c, ounce 15c, $\frac{1}{4}$ pound 50c, pound \$1.75.**

Mammoth Rock Red. The best large red cabbage. A sure head of good red color to the center. **Price, $\frac{1}{2}$ ounce 10c, ounce 15c, $\frac{1}{4}$ pound 50c.**

CARROTS

Carrots require a deep, well worked soil. Plant in rows 15 inches apart for table sorts; cover 1 inch deep. One ounce plants 50 feet. Carrots are excellent for stock, especially for horses. Sow any time before July 1st in rows 24 inches apart. Thin to 6 inches in the row; two pounds of seeds to the acre. Store in winter the same as turnips. For feeding stock grow the White or Yellow Belgian, which yields big crops.



Oxheart Carrots.

Danvers Half Long. A popular standard variety of rich, dark orange color. Very smooth and handsome. In form half-way between Oxheart and the Long Orange, and wonderfully productive. Under special cultivation it has yielded from 20 to 25 tons per acre. **Price, 1 ounce 10c, 3 ounces 25c, $\frac{1}{2}$ pound 70c, pound \$1.25.**

Oxheart or Guerande. We do not hesitate to call this the most valuable variety in existence. It is intermediate between the Half Long and Horn varieties, attaining a diameter of 3 to 4 inches at the neck, of beautiful shape and rich orange color. It is excellent for hogs and other live stock and has yielded 1,200 bushels per acre. **Price, ounce 10c, 3 ounces 25c, $\frac{1}{2}$ pound 65c, pound \$1.25.**

Earliest Short Horn (French Forcing). This variety is small, reddish-orange, of globular shape and excellent flavor. **Price, ounce 10c, 3 ounces 25c, $\frac{1}{2}$ pound 75c, pound \$1.25.**

Chantenay Half-Long. Resembling the Danvers, with larger shoulder. Medium early and heavy cropper. **Price, ounce 10c, 3 ounces 25c, $\frac{1}{2}$ pound 70c, pound \$1.25.**

CARROTS - Continued

Improved Long Orange. A well known sort, roots long, thickset near the crown, tapering regularly to a point, color deep orange. Price, ounce 10c, 3 ounces 25c, $\frac{1}{2}$ pound 65c, pound \$1.25.

Large White Belgian, or Yellow Belgian. Used for feeding cattle; grows large and are very productive. Price, ounce 5c, $\frac{1}{2}$ pound 35c, pound 50c, 5 pounds \$2.25.

CAULIFLOWER

One ounce of seed will produce about 3,000 plants.

Henderson's Early Snowball. Esteemed by market gardeners for its earliness and heading qualities, producing large, solid, pure white heads; dwarf in habit and as early as any; one of the best sorts for forcing. Price, $\frac{1}{4}$ ounce 75c, $\frac{1}{2}$ ounce \$1.25, ounce \$2.00.

Autumn Giant. One of the finest late varieties, of robust habit; heads large, compact, and thoroughly protected by the leaves. Price, $\frac{1}{4}$ ounce 40c, $\frac{1}{2}$ ounce 75c, ounce \$1.25.

CELERY

One ounce will produce 5,000 plants.

Celery. Celery seed is slow to germinate and ample time must be given. Sow thinly and cover lightly. Keep constantly moist. Count on about 4,000 plants per ounce of seed. When the seedling plants are 3 inches high they should be clipped at the top. Favor stocky growth or else transplanted.

White Plume Celery. The earliest celery. Easiest to grow, as it blanches without even earthing up. Our extra selected and perfected market garden strain is entirely free from green celery found in most other



White Plume Celery

Golden Self-Blanching. The leading early variety. Stalks are broader and heavier than those of White Plume, and superior in quality, while it is only a little later. Price, $\frac{1}{2}$ ounce 20c, ounce 35c, $\frac{1}{2}$ pound \$1.75, pound \$3.00.

Giant Pascal. A superior keeping sort. The stalks are very large, solid, crisp and of rich nutty flavor; it blanches very easily and retains its freshness a long time. Price, $\frac{1}{2}$ ounce 10c, ounce 15c, $\frac{1}{2}$ pound 75c.

CUCUMBERS



The Davis Perfect Cucumber.

An excellent new cucumber for both outdoor use and forcing. It is a most carefully selected strain of the White Spine type. It is slim, slightly pointed, a dark glossy green color, very tender, brittle and of fine flavor, vigorous grower, withstanding blight and disease better than other sorts. Oz. 10c; 3 oz. 25c; 1b. \$1.00.

Improved Early White Spine (Bennett's). An excellent variety, which produces an early crop of cucumbers. The fruits are straight, light green, with white spines. Price, packet 5c, ounce 10c, 3 ounces, 25c, pound 85c.

Early Cluster. Vine vigorous, producing the bulk of the crop near the root and in clusters. Fruit short, with uniformly thick end, dark green, but paler at blossom end. A hardy and very productive sort. Price, ounce 10c, 3 ounces 25c, pound 75c.

Early Frame Short Green. This variety is an excellent sort, both for table use and for pickling. Plants very vigorous, fruit

CULTURE.

Cucumbers thrive best on warm, rich, sandy soil, the richer the better. Crop should never be planted until soil is warm and the trees are out in full leaf. Plant in hills 4 feet apart and thin to about 4 plants to the hill. Second planting about middle of July for fall. One ounce for 50 hills. For best results use our **Quick Crop Fertilizer for cucumbers..** Price, pound 10c, 3 pounds 25c.

straight, a little smaller at the ends, bright green, lighter at the blossom end. Comes into condition for use a little later than the Early Cluster. Price, ounce 10c, 3 ounces 25c, pound 75c.

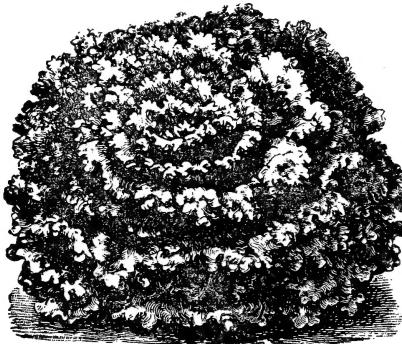
Boston Pickling. A distinct and very productive variety extensively grown for pickles. The fruits are of medium size, very smooth, symmetrical and bright green. Price, ounce 10c, 3 ounces 25c, pound 75c.

Improved Long Green (Jersey Pickle). Fruits are long, firm and crisp. The small fruits are used for pickles, and larger ones make excellent for slicing. The vines make a strong growth and are very productive. Price, ounce 10c, 3 ounces 25c, pound \$1.00.

Klondike Cucumber. This variety is one of the best for slicing. The color is rich dark green, and the fruits grow to a uniform size, measuring about 7 inches in length and 2 inches thick when in good condition for use. Price, ounce 10c, 3 ounces 25c, pound \$1.00.

LETTUCE

Culture—Lettuce, to be at its best, should be grown rapidly, hence, the soil should be made as rich and friable as possible by liberal manuring and thorough preparation. For winter, sow under glass from November to February and thin out as necessary. For general crop, sow outdoors as early in the spring as the ground can be worked, in drills 18 inches apart and thin young plants to 4 inches apart in the row. As the plants begin to crowd, thin them out and use as required. In this way a much longer succession of cutting may be had from the same ground. For best results use our **Quick Crop Fertilizer** for lettuce. Price, per pound 10c, 3 pounds 25c.



Grand Rapids—(Seed black) A lettuce for greenhouse forcing, quick growth, hardy, little liable to rot and remaining in condition several days after being fit to cut. Will stand shipping long distances better than most sorts. Price, ounce 10c, 2 ounces 15c, $\frac{1}{2}$ pound 40c, pound 75c.

Black Seeded Simpson. Nearly double the size of an ordinary Curled Simpson. Stands summer well without becoming tough or running to seed quickly. By far the most popular variety for greenhouse forcing, making large, handsome heads in a very short time. Price, ounce 10c, 2 ounces 15c, $\frac{1}{2}$ pound 40c, pound 75c.

Early Prize Head. B. (Seed white) A large, clustering, non-heading lettuce. The most easily grown variety in cultivation. The leaves of the variety are crimped, bright green tinged with brownish red, very tender and sweet. Price, ounce 10c, 2 ounces 15c, $\frac{1}{2}$ pound 40c, pound 75c.



BIG BOSTON LETTUCE.

Big Boston—A. (Seed white) Popular for outdoor culture; a compact, large heading sort. Plants large, very hardy and vigorous; leaves broad, comparatively smooth but wavy at edge, thin, very hard and crisp; color bright light green, the head slightly tinged with reddish brown. Price, Ounce 15c, 2 ounces 25c, $\frac{1}{4}$ pound 50c, pound \$1.00.

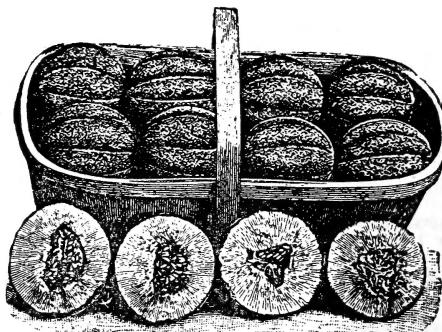
MUSKMELON SEED

Early Curled Simpson. White seeded. One of the best of the leaf lettuces. Quite similar to Early Curled Silesia. Price, ounce 10c, 2 ounces 15c, $\frac{1}{2}$ pound 40c.

White Cos. Upright, crisp and tender. Sometimes listed as celery lettuce. Price, ounce 10c, 2 ounces 15c, $\frac{1}{2}$ pound 40c.

Hanson. Leaves are curly and tender and form a head as large as an early cabbage. Slow to run to seed. Creamy white inside. Price, ounce 10c, 2 ounces 15c, $\frac{1}{2}$ pound 40c.

MUSKMELON SEED



Culture—Plant seeds in hills 4 to 6 feet apart each way, after danger of frost is over. Use well rotted manure in the hills. One ounce to 50 hills; 2 to 3 pounds to the acre. A light warm soil is best. In hoeing, draw the soil well up to the plants. Fight bugs with tobacco dust and slug shot.

Rocky Ford (Netted Gem). The flesh is deep and thick, and light green in color. The flavor is exceedingly fine. The skin is regularly ribbed and thickly netted. It is a heavy cropper, and in wide favor as a market melon. These seeds are saved from a field in which only seed melons are grown. Very dependable. Price, ounce 10c, $\frac{1}{2}$ pound 40c, pound 75c.

"Hoodoo" Melon (Introducer's Strain). "As alike as peas in a pod." A new orange-fleshed variety of the finest quality. Vine vigorous, remarkably blight resisting and very productive. Fruits small and of uniform size. Netting exceptionally fine and dense, extending practically over the entire surface. Rind thin yet very firm. Flesh very thick, firm, highly colored, of fine texture and delicious flavor. Price, ounce 25c, $\frac{1}{4}$ pound 75c, pound \$2.50.

Emerald Gem. One of the sweetest melons in cultivation; smooth skin, deep salmon-colored flesh; early and prolific. The ideal home melon. Price, ounce 15c, $\frac{1}{2}$ pound 50c, pound 90c.

Extra Early Hackensack. Ten days earlier than the old Hackensack. Flesh light green and excellent in flavor. Price, ounce 10c, $\frac{1}{2}$ pound 50c, 1 pound 75c.

MUSKMELON—Continued

Osage (Salmon and Green). Medium to large sized, oval, slightly ribbed; dark green in color. Flesh is deep salmon color and very thick. Covered more or less with shallow netting. Price, ounce 10c, $\frac{1}{2}$ pound 50c, pound 75c.

Early Citron Landreth's. Very early half flat sort. Flesh green, of fair quality. Price, ounce 10c, $\frac{1}{2}$ pound 50c, pound 75c.

CULTURE

The essential thing in melon culture is to get good strong vines early in the season. To this end plant your melons in hills **8 feet** apart, made rich with some good fertilizer or well rotted manure, thoroughly mixed with the soil. As soon as the ground is warm and dry plant **15 to 20 seeds in each hill**, and thin out when the plants begin to grow, leaving only 3 to 5 of the most vigorous. Protect the young plants from insects and hasten their growth by the use of liquid manure. From 3

to 5 pounds plants an acre. Fight bugs with slug shot and tobacco dust.

STANDARD WATERMELONS WITH REAL MERIT.

One ounce will plant fifty hills and four pounds will plant one acre.

Price, ounce 5c, $\frac{1}{2}$ pound 30c, pound 50c.
In 5-pound lots and over 10c per pound may be deducted.

Fordhook Early. Very early; good size; red flesh of fine quality.

Peerless or Ice Cream. Very early; red flesh, good home melon.

Dark Icing. Early, round, solid, with thin dark green skin; of superior quality.

Light Icing. Round in form like the above; flesh of fine quality.

Gray Monarch, or Long White Icing. Very large, long; crimson flesh.

Black Diamond. Large, round; skin dark green; tough; red flesh, fair quality.

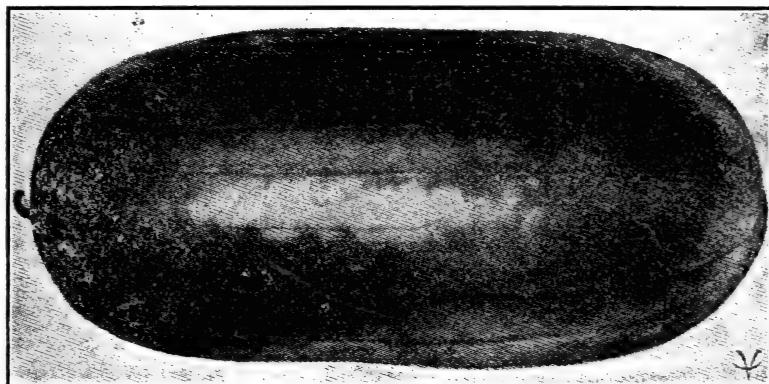
Sweet Heart. Mottled light green; large, oval, heavy; red flesh; fine shipper.

Alabama Sweet. A grand new shipping melon; equal to Icing, Kleckley and Florida Favorite in luscious quality; long, dark green, continuous bearer.

Banana. Cucumber shape. Delicious odor. Rather late maturing. **Price, ounce 10c, $\frac{1}{2}$ pound 50c, pound 80c.**

Hackensack, or Turk's Cap. The very largest of all nutmeg sorts. The fruits sound, flattened at the ends and have very broad ribs. Flesh is green, fine quality. **Price, ounce 10c, $\frac{1}{2}$ pound 50c, pound 75c.**

WATERMELON SEED



Monte Cristo Water Melon.

Cuban Queen. Early, solid and heavy; skin striped dark and light green.

Kolb Gem. Very large; flesh red; a good shipping sort; popular in the south.

Florida Favorite. A superior strain; large, oblong, striped; luscious red flesh...

Tom Watson. Very large; dark green; light crimson flesh of good flavor.

Georgia Rattlesnake. Oblong, dark and striped; bright red flesh.

Green Citron. (Red seed.) Round and handsome; for preserving only.

Monte Cristo, or Kleckley's Sweets. Unsurpassed for home use or near markets. Vine vigorous and productive; fruit of medium size, oblong, tapering slightly towards the stem end, dark green. Flesh very bright, rich red, exceedingly sweet. So crisp and tender that it will not stand shipping. **Price, ounce 10c, $\frac{1}{2}$ pound 40c, pound 75c.**

Cole's Early. The earliest watermelon in cultivation. Can be grown in all the northern states. Valuable for both home and market use where larger varieties will not mature. A larger acreage of this melon is grown in the northwest every year than of any other variety. **Price, ounce 10c, $\frac{1}{2}$ pound 30c, pound 50c.**

MUSHROOMS SPAWN

One of the most luxurious and highly prized of all vegetables. The increase in the demand for it is wonderful, and the prices are not only maintained, but increased.

MUSHROOM CULTURE—Mushrooms may be grown any place where the conditions of temperature and moisture are favorable. A shed, cellar, cave or vacant space in green house. Twelve page pamphlet telling how to prepare bed, plant and grow the crop; 25c each, free with order for \$1.00 worth of spawn.

We carry the American Spawn Co.'s **Pure Mushroom Spawn**, conceded to be the best spawn sold. Always fresh.

American Spawn, in bricks, each \$0.30

One brick, by mail, postpaid40

American Spawn, lots of 10 bricks 2.00

French Mushroom Spawn, put up in 2-pound boxes (imported), per box 1.50

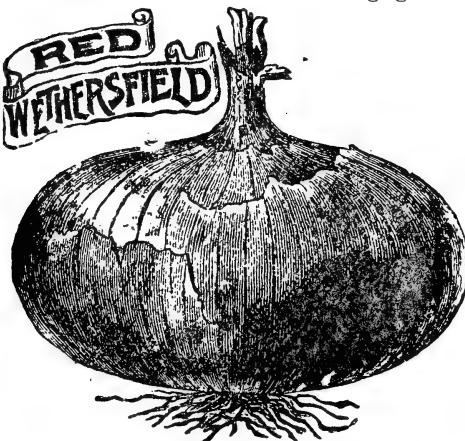
ONION SEEDS

The Onion not only contains considerable nutriment and has valuable medicinal properties, but is most useful in counteracting the bad effects of sedentary life. The odor it imparts to the breath may be avoided by thorough cooking.

In onion culture thorough preparation of the ground, careful sowing and the best of after culture, though essential, avail nothing unless seed of the best quality be used.

Sow the seed as soon as the ground can be gotten ready, and it can be done best with a Planet Jr. hand seed drill adjusted to sow the desired quantity of seed about one-half inch deep. The quantity needed will vary with the soil, the seed used and the kind of onions desired. This seeding gives much larger onions than thick seeding. Four

to five pounds per acre is the usual quantity needed to grow large onions.



ONION—Large Red Weathersfield—The best known of all the onions. Good seller, great keeper, the best of all standard sorts. My stock of this onion seed is most select and sure to grow. Price, oz, 10c, 3 oz. 25c, 1b. \$1.00, 10 lbs. \$9.00.

ONION—White Globe—This is the largest successful pure white onion in cultivation. Perfect globe shape, very solid, keeps well, and always brings the top of the market. Price, oz, 20c, $\frac{1}{2}$ lb. \$1.25, 1b. \$2.25.

ONIONS—Extra Early Red Flat

Prize Taker (the largest onion grown, very mild)

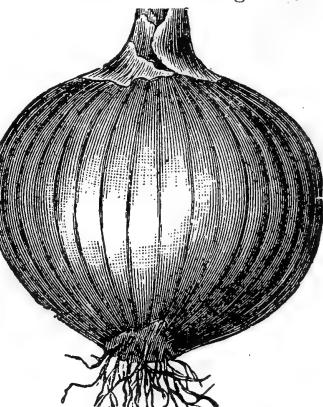
White Silver Skin, round white medium.....

Mammoth Silver King, a large, flat white onion

New Queen, early small, white onion for pickling

Gathering.

As soon as the tops die and fall, the bulbs should be gathered into windrows. Cut off the tops when perfectly dry; leave lay a few days.



ONION—Southport Red Globe—On account of its beautiful shape and rich red color, these onions bring a premium in any market and an excellent keeper. The seed we offer is grown from true type bulbs. Subject to test before planting and if not found absolutely satisfactory money will be refunded. Price, oz, 10c, $\frac{1}{2}$ lb. 70c, 1 lb. \$1.25, 5 lbs. \$6.00, 10 lbs. \$11.00.

Yellow Globe Danvers—The most extensively used yellow onions. Bulbs of medium size, uniformly globe shaped, with small neck, and ripen very evenly. Flesh white, crisp, and of mild and excellent flavor. Price, oz. 10c, $\frac{1}{4}$ lb. 35c, 1b. \$1.00.

	1/2 oz.	oz.	1/2 lb.	lb.
	\$0.10	\$0.15	\$0.75	\$1.25
Prize Taker (the largest onion grown, very mild) .....	.10	.15	.75	1.50
White Silver Skin, round white medium.....	.10	.20	1.25	2.00
Mammoth Silver King, a large, flat white onion .....	.10	.15	.75	1.25
New Queen, early small, white onion for pickling .....	.10	.15	.80	1.50

ONION SETS

Many prefer to grow onions from sets, as they are less trouble and are ready for use earlier than those grown from seed. Our sets this year are very nice and just the right size. **One quart will plant a row 50 feet long.** **Ten bushels** will plant one acre. **Bottom Sets** are grown from seed and are the most used. The old time **Summer Top Sets** are still much used, and it is this **Top Set** that grows a large onion. **Egyptian or Perennial Top Sets** do not reproduce large bulbs, may be set either in spring or fall and are valuable for extra early bunching ahead of anything else. They come up early in spring without any protection and furnish the earliest onions. **White Multipliers** are fine for bunching green. **Bottom Sets and Multipliers** weigh per bushel, 32 lbs.; **Top Sets, bushel, 28 lbs.** Bushel prices are subject to market changes. **Special Prices in Large Lots on all Varieties.** **Onion Sets, Quart, 10c.**

PARSNIPS

(One ounce will sow 200 feet of drill. Sow early in spring in good, rich soil, which has been plowed deep. They are improved by frost.

Improved Hollow Crown—Fine grained and excellent. Price, oz. 10c, $\frac{1}{4}$ lb. 25c, 1b. 60c.

PEPPER

(One ounce will produce about 1,800 plants.)

Sow seed in hot bed early in spring; transplant to open ground when the weather is favorable. Seeds germinate slowly and require considerable heat.

Large Bell, or Bull Nose—An early standard sort. Price, oz. 15c $\frac{1}{4}$ lb. 50c.

Chinese Giant—Most gigantic of all Giant Peppers. A fine mild red pepper, of enormous size, magnificent appearance and brilliant, glossy scarlet color. The flesh is mild and unusually thick. Price, $\frac{1}{2}$ oz. 15c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

Red Cayenne—Pods long and slim, of medium size. Pungent. Price, oz. 25c, $\frac{1}{4}$ lb. 75c.

Ruby King—Very large size. When ripe they are of a beautiful bright ruby red color. Price, oz. 20c, $\frac{1}{4}$ lb. 60c.

PUMPKIN

Culture—Plant from May to July in hills 6 feet apart each way. One ounce for 15 hills; two pounds to an acre.

Connecticut Field or Cow Pumpkins—The big yellow kind that is grown so much in the corn fields. Price, oz. 5c, lb. 25c, 5 lbs. \$1.00.

Small Sugar—Best of all pie pumpkins. Very sweet and tender. Looks like a Yankee Pumpkin, but smaller. Early and prolific. Price, oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Quaker Pie—A very prolific variety, a good keeper, and one of the best for pies. Price, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

RADISH SEED



Cardinal Globe—20 Day Radish.

ply. After the hot weather of summer begins it is better to sow the **summer** and **winter** varieties, as they do not become tough and stringy are apt to do when planted in late summer time. **One ounce** sows about **50 feet** of rows.

Our Radish Seed is the very best **French Grown**. Seed all raised from **transplanted roots**. These were selected on the following points: **Earliness, uniformity of shape, size and color, with the thinnest kind of tap root**. The quality is the best obtainable.

Remember a succession is secured by planting seed every ten days.

Cardinal Globe Radish... This is the best forcing and quickest outdoor radish to date. **A new 20-day variety**. Remarkable for the small size of its leaves. The flesh is firm, crisp and fine quality, **dark red, globe shape bulbs** of even size. Price, per oz. 10c, $\frac{1}{4}$ lb. 25c, per lb. 75c.

Early Scarlet Turnip... A splendid extra early, round bright red radish. Price, oz. 10c, 2 oz. 15c, lb. 50c, postpaid. Plant every ten days.

Early Scarlet Globe. A desirable sort for hotbed forcing and outdoor, very early; top small. One of the best selling and most attractive radishes on account of its bright scarlet color and handsome shape; flesh white and tender, fit to pull in 28 days. Price, oz. 10c, 2 oz. 15c, $\frac{1}{2}$ lb. 30c, lb. 50c, 5 lbs. \$2.50.

Scarlet Turnip, White Tipped. One of the handsomest of the turnip radishes and a great favorite in many large markets for early outdoor planting. Roots slightly flattened on the under side, color very deep scarlet with a white tip; flesh white and of the best quality. Price, oz. 10c, 2 oz. 15c, $\frac{1}{2}$ lb. 30c, lb. 50c, 50c.

Icicle, the Finest Eating, a Most Distinctive Long White Radish... The best eating radish, and the best white variety. This sort has long, slender, pure white roots, which remain mild and crisp until they grow of larger size. Tops are quite short, making it early, and also allowing close planting. A succession is secured by planting seed every ten days. Price pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Crimson Giant. This we consider the greatest new radish of German origin. An early sort, looking much like the old **Early Scarlet Globe**, but more perfect in shape and color. It comes as early as any radish, but the amazing thing about it is that it keeps on growing and remains tender, solid and sweet till it gets as large as a teacup, or larger. Price, oz. 10c, 2 oz. 15c, $\frac{1}{2}$ lb. 30c, lb. 50c.

CULTURE

For forcing under glass, scatter evenly over the surface 100 seeds to the square foot and cover with one-half inch of soil, sifted. For open ground culture, sow on rich, sandy soil as soon in spring as it is fit to work, in drills twelve inches apart and thin out the plants if necessary to prevent crowding. A good dressing of **nitrate of soda** will greatly stimulate growth and insure **tender and brittle roots**. Successional sowing from one week to ten days apart will keep up a supply to sow the **summer** and **winter** nor pithy as the earlier sorts.

RADISHES—

	1 oz.	2 oz.	$\frac{1}{2}$ lb.	lb.
French Breakfast				
stump rooted sort..	\$0.10	\$0.15	\$0.30	\$0.50
Long Scarlet Short				
Top .....	.10	.15	.30	.50
Brightest Long Scarlet	.10	.15	.30	.50
Chartier, half long				
white bottom .....	.10	.15	.30	.50
White Vienna or Lady				
Finger .....	.10	.15	.30	.50
White Strasburg .....	.10	.15	.30	.50
Early White Turnip..	.10	.15	.30	.60

WINTER SORTS.

Cal. Mam. White Winter .....	.10	.15	.35	.60
Rose White Winter .....	.10	.15	.35	.60
Black Spanish, round or long .....	.10	.15	.30	.55

Special prices 5 to 10 lb. lots on all Sorts.

SQUASH

SQUASH—True Warty Hubbard—The standard winter squash. Large, olive-shaped, with dark green skin and very rich flesh. Almost every one is well acquainted with the Warty Hubbard. Our strain is extra fine and very warty. Price, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00, 5 lbs. \$4.00.

Red or Golden Hubbard.. A perfect type of the Green Hubbard except in color, which is a bright, deep orange-yellow, very showy and attractive. Flesh deep golden yellow. Price, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

SQUASH—Mammoth Chili. A very large and attractive variety. The skin is a rich orange-yellow; flesh thick, fine grained and sweet. Price oz. 10c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

SQUASH—Early White Bush. Price, oz. 10c, $\frac{1}{2}$ lb. 40c, lb. 75c.

SQUASH—Golden Summer Crookneck. Price, oz. 10c, $\frac{1}{2}$ lb. 30c, lb. 60c.

Delicious. A dark green variety, with thick, orangish-colored flesh, of very best quality. Price, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.00.

SPINACH

An easily grown plant, the seed may be planted in the fall to secure good spinach early in the spring or even throughout the winter. The better and richer the soil, the larger and more tender the leaves will be.

SPINACH—Continued

Use 8 pounds of seed per acre. For the home garden use one-half ounce for 100 feet of row.

Long Standing. A deep green variety with rather elongated smooth leaves. Seed, round. Stands a long time without running to seed. **Price, oz. 5c, lb. 25c, 10 lbs. \$1.80.**

Bloomsdale Savoy. The variety most generally used. Leaves large, round, and thick, very much savoyed and rich deep green. One of the earliest varieties. **Price, oz. 5c, lb. 25c. 10 lbs. \$1.80.**

SPECIALLY SAVED TOMATO SEEDS

We do not use Canning Factory Seed.

One ounce produces about 2,000 plants. For early crop, sow in hotbeds in January or February. For late crop, in open beds in May.

Culture—Sow in a hotbed in early spring, or the seed may be sown in shallow boxes and placed in a window when one does not wish to have the trouble of making a hotbed. Transplant to the open ground when all danger of frost is past, setting the plants three or four feet apart each way. Use Bone and Potash Fertilizer, or well rotted manure in the hills.

Dwarf Champion. A purple fruited variety forming a strong, erect, bushy plant two feet high. Often sold as Tree Tomato. Fruit smooth, medium sized, fairly solid and of good flavor. Desirable for forcing, as it can be planted more closely on the bench than the tall growing kinds. **Price, ½ oz. 15c, oz. 25c, ¼ lb. 65c.**

Earliana. It is a full week ahead of all others. Plants of strong growth and very productive. Fruit large, deep red, and of superior quality. Smooth and free from cracks. **Price, ½ oz. 10c, oz. 20c, ¼ lb. 60c.**

Early Acme. One of the earliest and handsomest varieties. Medium size, perfectly smooth and regular, very solid fruit, born profusely. Dark red with purplish tint. Early Acme will please every grower. **Price, ½ oz. 10c, oz. 20c, ¼ lb. 60c.**

Stone. One of the heaviest and most solid fruited of the large tomatoes of good quality. Vines vigorous and productive. Fruit round, slightly flattened, very large and astonishingly heavy. **Price, ½ oz. 10c, oz. 20c, ¼ lb. 60c.**

Trophy. Extra selected. A very large, smooth and solid variety, of fine flavor, and immensely productive. **Price, ½ oz. 10c, oz. 20c, ¼ lb. 60c.**

Livingston's Globe. A new, very large, purple fruited tomato of excellent quality. Fruits very smooth and mature earlier than most main crop sorts. The average tomato is very deep, almost globe shaped. **Price, ½ oz. 15c, oz. 25c.**

Ponderosa. The largest variety in cultivation. **Price, ½ oz. 15c, oz. 25c.**

Ignatum. earliest of the large, deep red, smooth varieties. **Price, ½ oz. 10c, oz. 20c.**

Golden Queen. A very handsome yellow tomato of large size. **Price, ½ oz. 10c, oz. 20c.**

Yellow Pear and Yellow Plum. A small yellow tomato; is grown for preserves. **Price, ½ oz. 15c, oz. 25c.**

Other Varieties. We can supply any of the standard sorts, whether listed here or not.

TURNIPS

Early Turnips should be planted very early. **Late Turnips** can be sown in July or August and will keep growing till the ground freezes. Use a pound of seed to an acre.

Extra Early White Milan. The earliest turnip. Tops very small, very erect and compact. **Price, oz. 10c, ½ lb. 35c, lb. 65c.**

Extra Early Purple Top Milan. Similar to the White Milan, except that the roots are a little more flat, and the upper portion is a beautiful purple-red. **Price, oz. 10c, ½ lb. 35c, lb. 65c.**

Purple Top, Strap-Leaved. The most popular sort. More largely grown than any other turnip; will form good sized bulbs in seven or eight weeks. Rather flat and of medium size. Color purple above ground, white below. **Price, oz. 5c, ½ lb. 25c, lb. 40c.**

Purple Top White Globe. Of a perfect globe shape, with smooth, white skin; flesh pure white, firm and crisp, and of quick growth. A good keeper and is fine for market. **Price, oz. 5c, ½ lb. 25c, lb. 40c.**

RUTABAGA, OR SWedes

Ruta-Baga, or Swedes—Improved American Purple Top. For fine qualities and productiveness this is the best. The roots are finer and larger than the ordinary; the flesh is a rich yellow. **Price, oz. 5c, ½ lb. 25c, lb. 40c.**

MISCELLANEOUS VEGETABLES

ASPARAGUS

The Asparagus bed furnishes the first green delicacy for the table in the spring, is universally popular, and requires but little care.

Conover's Colossal. The standard variety. **Price, oz. 10c.**

Columbian Mammoth White. A new variety, with white shoots that stay white. Rather more vigorous in growth and with larger shoots than Conover's Colossal. **Price, oz. 10c.**

(See Plants Page 15.)

BRUSSELS SPROUTS

Improved Half Dwarf. The plants grow two to three feet high and produce from the sides of the stalk numerous little sprouts which resemble small cabbages one or two inches in diameter. **Price, ½ oz. 15c, ounce 25c.**

BROCCOLI

The culture is the same in all essentials as for cauliflower. Broccoli is grown most successfully where the season is long, cool and rather moist. One of the most valuable features is that it withstands greater extremes of temperature than cauliflower. **Price, ½ oz. 15c, oz. 25c.**

EGG PLANT

A tender plant that should be started quite early in a hotbed and transplanted.

New York Improved Large Purple. Fruits large, nearly round, dark purple, free of thorns. **Price, ½ oz. 20c, oz. 35c.**

Black Beauty. Fruit large, symmetrical in shape and of a rich dark purple color. Little earlier than our Improved Large Purple. **Price, ½ oz. 20c, oz. 35c.**

CRESS, OR PEPPER GRASS

Early Curled. Well known salad. Sow at intervals all season. **Price, oz. 10c.**

True Water. Sow seeds along the border of running water. **Price, $\frac{1}{2}$ oz. 20c.**

ENDIVE

(One ounce will sow about 60 sq. feet.)

Preferred to lettuce by those who have tried it. One of the best salads for fall and winter use. Sow seed in April for early use or in June or July for winter use. When leaves are eight inches long tie them together with a string near the top to blanch. **Price, oz. 10c.**

KALE OR BORECOLE

Dwarf German. Very hardy, with dark green leaves; much improved by frost. **Price, oz. 10c, $\frac{1}{4}$ lb. 25c.**

Dwarf Curled Scotch. Dwarf beautifully curled, bright green and very hardy. **Price, oz. 10c, $\frac{1}{4}$ lb. 25c.**

KOHL RABI

The Kohl Rabi is a vegetable intermediate between the cabbage and turnip and somewhat resembles each in flavor. The edible part is a turnip shaped bulb formed by the enlargement of the stem. **Price, $\frac{1}{2}$ oz. 10c, 2 oz. 25c.**

Early White Vienna. Extremely early, with distinctly small tops. Bulbs white, of medium size. **Price, $\frac{1}{2}$ oz. 10c, 2 oz. 25c.**

Early Purple Vienna. Very early, with small top, the leaf stems being tinged with purple. Bulb bright purple. **Price, $\frac{1}{2}$ oz. 10c, 2 oz. 25c.**

LEEK

Belongs to the onion family. When the young plant is about the size of a goose quill, transplant. Reset four or five inches apart in the row. Set the roots deep and draw the earth to them when cultivating.

London Flag. The variety generally cultivated in this country. **Price, oz. 10c, 2 oz. 20c, $\frac{1}{4}$ lb. 30c.**

MUSTARD

Black or Brown. **Price, oz. 10c, $\frac{1}{4}$ lb. 15c, 1 lb. 40c, postpaid.**

New White Chinese. Leaves tender and delicious. **Price, oz. 10c.**

ORKA, OR GUMBO

This vegetable is extremely easy to grow, and its young seed pods are delicious in soups and alone.

White Velvet. Best variety. **Price, oz. 15c.**

PARSLEY

(One ounce will sow 150 feet of drill.)

Sow very early, thinly in drills one foot apart and half an inch deep. Soak seed in warm water a few hours before sowing. **Price, oz. 10c, $\frac{1}{4}$ lb. 25c, 1 lb. 65c.**

Champion Moss Curled. A very select stock, finely crimped and curled.

Hamburg. Turnip-rooted variety, used for flavoring soups.

RHUBARB (Pie Plant)

Easily raised from seed.

Large Victoria. The standard variety. **Price, oz. 10c, $\frac{1}{4}$ lb. 30c, 1 lb. 85c, postpaid.**

For Rubard Roots—See page 15.

SALSIFY, or Oyster Plant

Mammoth Sandwich Island. By far the largest and best for market. Roots of superior quality and double the size of the old variety. **Price, oz. 15c, $\frac{1}{4}$ lb. 35c, 1 lb. \$1.00.**

SWEET HERBS

Oz.

Anise Seeds, Aromatic	\$0.10
Caraway, for flavoring .....	.10
Catnip (Cat Mint) .....	.30
Chickory, Large Rooted .....	.10
Coriander, for flavoring .....	.10
Dill (50c lb.) 2 oz. 15c) .....	.10
Lavender .....	.10
Marjoram, Sweet .....	.10
Saffron .....	.10
Sage, Broad Leaf.....	.10
Savory, Summer .....	.10
Thyme .....	.30

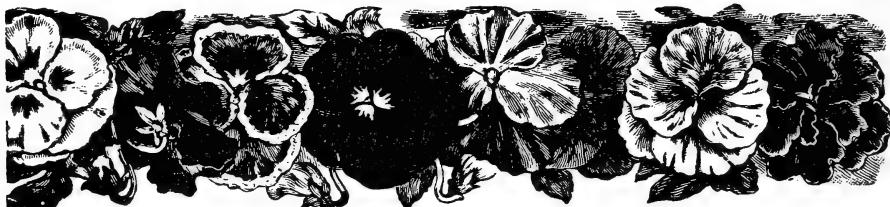
Quick Lunch Potato

See Page 19



UNCLE GIDEON'S QUICK LUNCH POTATO

FLOWERS



BULK FLOWER SEEDS

Are better, cost less, more certain to grow than paper seeds.

One of the most cherished recollections that we have of our mother's or grandmother's home is that of the beautiful array of brilliantly colored flowers—marigolds, daisies, pansies, balsams, asters, pinks, poppies, nasturtiums and other flowers in great array.

There are no more SATISFACTORY FLOWERS in the garden than those grown from SEED. A few seeds will furnish a large number of plants at very little cost. In arranging a flower garden it is important to know the HEIGHT of the plant, the TIME of blooming and the ANNUAL OR PERENNIAL CLASS of the flower. Tall plants go next the house or wall, shorter kinds in front, and low-growing varieties for the border. Very pretty effects are produced by massing different colors; yet in ASTERS, PHLOX, POPPIES, ZINNIAS, etc., a mixture of all colors is always showy and pleasing. As a rule annuals may be sown in the ground about corn planting time. A rather light and moderately rich soil, thoroughly spaded, is most desirable.

All Flower Seeds in Bulk put up in 5c, 10c, 15c and 25c quantities of each sort to suit buyer.

Ageratum—A beautiful hardy annual, covered with bloom all summer.

Alyssum—Sweet-scented, hardy annual, blooms early in the spring, a pure white flower, and continues to bloom until late autumn. **Little Gem**, annual; **Saxatile**, yellow perennials.

Aster—In their many varieties and colors, are the grandest and most beautiful flowers that bloom in the home garden.

Giant Comet Branching Asters (Ostrich feathered type) mixed; **Daybreak Pink Aster**, soft pink; **Lavender, Pure White, Crimson**.

Balsam—Known as **Lady Slipper**, and **Touch-Me-Not**. The colors range from white to dark purple. Hardy annual, one to two feet high. **Mixed Double Sorts**.

Callopis—Showy border plant, flowers bright yellow or rich brown, either self-colored or with these colors and red contrasted. **All sorts mixed**.

Candytuft—Showy, branching plants six to twelve inches high; will bloom from July to September, or if in the fall from May to July. **All sorts mixed**.

Castor Bean (Ricinus)—Tall, majestic plants for lawns, with leaves of green metallic blue; of very quick growth in rich soil. **Zanzibariensis**; **Gibsonia**, beautiful bronze.

Carnation—"Florist's Pink," easily

grown from seed, free bloomings; flowers bright with clove-like fragrance; some varieties are suited for house plants; others do best in the open ground; plant in April. Half hardy perennial. **Margaret Mixed, Dwarf Mixed**.

Centurea-Cyanus (Bachelor Buttons, Corn Flower) in its improved forms is one of the most attractive of garden flowers. One to two feet high. **Double Mixed**.

Coreopsis—Very showy, free flowering plants, native of this country, fine for borders and beds. **Yellow Flowering**.

Cosmos—A very effective autumn flower; bush-like plants 3 to 5 feet high, and covered with large single dahlia-like flowers. **Early Flowering**, mixed.

Cypress Vine—A most beautiful climber, with delicate, dark green, feathery foliage, scarlet blossoms. Tender annual.

Forget-Me-Not (Myosotis)—A favorite old-fashioned flower, bearing in profusion clusters of blue blossoms. It thrives well in the shade or open border. Hardy perennial.

Four O'Clock (Marvel of Peru)—The flowers are funnel shaped and open about 4 o'clock in the afternoon and remain open all night and generally perish before noon next day; will grow in any soil. Hardy annual 2 feet high.

Heliotrope—Highly valued for the fragrance of their flowers and duration of bloom.

Kochia, or Summer Cypress—(Kochia Tricophylia). A highly ornamental annual of rapid growth which forms regular pyramids about 3 feet high, having a cypress-like appearance. Its bright autumn coloring has given it two other names: "Mexican Fire Plant" and "Burning Bush." Sow in open ground about May 1st.

FLOWER SEEDS—Continued

Marigold—Old-fashioned flower blooming in profusion; usually 2 feet high; blooms till frost comes.

Mignonette—A well known hardy annual, producing exceedingly fragrant flowers. Seed sown in autumn will bloom early in the spring; thrives best in cool temperature; 1 foot high. **Mixed Sorts and New Matchet.**

Nasturtium—Few flowers equal the **Nasturtium** in richness and variety of colors, freedom of bloom and ease of culture. They are suitable for bedding and handsome climbers, grow quickly, thrive in the poorest soil and furnish the greatest abundance of long-lasting, sweet-scented cut flowers.

Tall Mixed, Special Sorts, per oz. 10c
Dwarf Mixed, dark foliage, per oz. 10c
Dwarf, per oz. 10c

King of Tom Thumbs—Intense deep scarlet flowers, dark foliage oz. 15c.

King Theodore—Rich, deep crimson flower; most striking and beautiful of all tall growing Nasturtium. Foliage dark green and vigorous. Oz 15c.

Morning Glory—Handsome, showy, climber, suitable for covering windows, trellises, old stumps, etc., if support be given to the vines. Hardy annual; 10 feet high. **Giant Japenese Mixed.**

Pansies—Pansies are now produced in almost infinite variety of form, color and markings. We have the plants as well as seed. See page 11 for plants. **Giant Flowering**, all colors; **Choice Mixed**, many colors, **Masterpiece Double**, fluted flower.

Petunia—Petunias are unsurpassed for massing in beds. Their richness of color, duration of flower, and easy culture will always render them popular. The modern improved varieties are very choice plants, having been wonderfully brought up from the same species which were in use years ago; hardy. For double flowering sort, buy plants. We offer **Fine Mixed, single flowering**, and **Large Flowering, Fluted**.

Phlox—The Phlox are certainly among the showiest and most easy managed of all hardy annuals. They grow well in any soil, and from June until October maintain an endless display of brilliant and varied colored flowers. When 2 or 3 inches transplant. **Phlox Drummondii, mixed; Large Flowering.**

Pinks—For peautiful and lasting cut flowers, ease of culture and freedom of bloom, the hardy garden pinks have no superior among annuals; 18 inches high. **Chinese Double, fine mixed; Midnight Blood Red, Double White.**

Poppies—Great advance has been made in recent years in the development of the Poppy. No other flower produces a more brilliant display of colors during blooming period. **Double Carnation Type, New Shirley**, Dazzling Silk Scarlet; **Oriental Poppy**, brilliant colors; **Eschscholtzia (California Poppy)**.

Portulacca or Rose Moss—There are few flowers in cultivation that make such a dazzling display of color in the bright sunshine as a bed of Portulacas. The flowers close in shadow, but are open in sunshine. We carry **Single Mixed** and **Double Mixed**.

Salvia—Among the most brilliant colored flowers and extremely useful for bedding. Blooms are of fiery red, crimson color, continuing to flower for a long time. Tender perennials; bloom until frost; height 2 to 3 feet. See page 11 for plants. **Salvia Splendens**, scarlet flowered.

Salpiglossis—Very showy bedding or border plants, with richly colored funnel-shaped flowers, which are purple, scarlet, crimson, yellow, buff, blue and almost black; height 1 foot. **Fine Mixed Sorts.**

Stocks—To such perfection has selection brought this flower that good seed will give a large proportion of exceedingly double flowers. Average height 1½ feet. **Double German.**

Sweet Peas—Sweet Peas are among the most beautiful of all our hardy annuals. Select a sunny, open place several feet from any building and as far as possible from large trees. Sow as early in the spring as possible. Plant in rows and have the rows trenched for planting 4 to 6 inches deep. In dry weather water freely and keep the flowers picked closely. If allowed to go to seed the plants will stop blooming. **Fancy Mixed**, per oz. 5c; ¼ lb., 15c; lb. 35c; **Shasta**, best white; **Blanch Ferry**, pink; **Kate Tracy**, pink; **Radnor**, lavender; **Fire Fly**, bright red; **Mrs. Eckford**, primrose; **Shazada**, dark violet; price, 10c per oz.; 2 oz., 15c; ¼ lb., 25c.

The Spencer Types are of exceptionally large size, the standards and wings waved or frilled and the general effect remarkably graceful and attractive. Undoubtedly the finest Sweet Peas yet developed are found in this class. **Spencer Type Mixture** in all colors; oz. 10c; ¼ lb. 25c.

Sweet William—For display in the garden, the Sweet William is unsurpassed. The seed can be planted in the spring in the open ground, and will blossom in the fall. Hardy perennial; 1½ feet high. **Fine Mixed Single, Mixed Double.**

Verbena—Sown in May they will bloom in August, but if started in the house in pots in winter, they will be in bloom sooner. Seed should be soaked in lukewarm water before planting, and care should be taken that the soil be very rich. Half hardy perennial trailer; 6 to 10 inches high. **Fine Mixed Sorts.**

Zinnia—Showy plants, with large double flowers. Might be taken for dwarf Dahlias. Few flowers are more easily grown or bloom more abundantly throughout the season. Sow the seed early and transplant to 1½ feet apart in good rich soil. Half hardy annual. About 18 inches high. **Mixed Double** all colors.

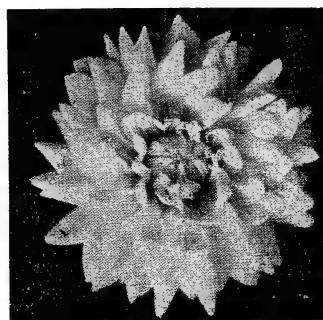
Jacqueminot Zinnia—This splendid variety is a dwarf sort, bushy plants about 18 inches high, bearing in countless numbers of handsome, perfectly double flowers of a vivid and velvety rich scarlet crimson.



ALASKA DAISY

BULBS AND ROOTS --- For Spring Planting

DAHLIA



MRS. WINTER'S DAHLIA
Pure Snow White Blossoms;
25c each, 3 for 60c.

The roots are easily injured by frost, shield not be planted until danger is past. Plant the roots **two feet** apart, about **four inches** deep, lay them flat on side. Plant only **named sorts**, nothing else pays.

C. W. Burton, best yellow, ea., 25c; 3 for 75c
Agnew, large red.....ea. 25c; 3 for 75c
Mixed Sortseach 10c; dozen, 60c

CANNA

The king of bedders. The plant requires deeply dug, well enriched soil. Plant when ground is warm. The bulbs are slow to grow until weather gets hot. Water sparingly at first, freely during hot weather. Set the plants 18 inches apart each way, using the taller kinds for the center and dwarf kinds for the outer edge. See page 11 for plants. **Mixed Sorts**, tall or dwarf, each, 10c; dozen, 75c.

Gladiolus—Planted every two weeks from time soil can be cultivated until July will give a lot of bloom from June until cut down by frost. Plant 6 inches apart in rows.

Each. Doz.

Choice Mixtures, all colors 5c 25c
Scarlet and Red Shades 5c 40c
"Rainbow" Mixture 5c 40c

Tuberous—Large blooming bulbs; this is one of the bulbs all should have. Synonym of sweetness and purity. Kinds: **Dwarf**, **Pearl** or **Tall Double**, each 5c; 12 for 35c.

Elephant's Ear (Calladium Esculentum)—Grand tropic looking plant, a favorite for specimens on the lawn. In rich soil, if freely watered, they will produce enormous leaves, frequently four feet long, three feet wide. Height 4 to 5 feet. Fair sized bulbs, 10c each; medium bulbs, 25c; monster Giant bulb, 75c.

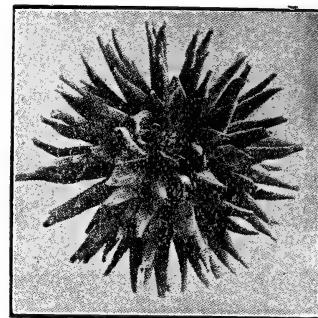
Hollyhock Roots—This old-time flower appeals to our sentimental affection of the long ago and is still dear to us. As a background in large borders for the lower growing plants it has no equal. **Separate colors**, pink, white, crimson or yellow. Roots 15c each; 2 for 25c; per dozen, \$1.25.

Lily of the Valley—The most charming of the spring perennials. **Pips** 5c each; dozen, 50c.

Cinnamon Vine—A rapid growing climber. The leaves are bright glossy-green; often running 25 to 40 feet. Good roots. Each, 5c; dozen, 50c; extra large roots, each, 10c; dozen, \$1.00.

Platycodon (Chinese Bell Flower)—One of the best Hardy perennials, producing very showy flowers during the whole season. They form large clumps, and are excellent for planting in permanent borders or among shrubbery. Each, 25c; per doz., \$2.50.

As a home flower nothing equals the **Dahlia**. The wide range of colors, long blooming, the beautiful and lovely flowers of the improved strains of **Decorative Cactus and Century** types make it easily the favorite of all who adore a grand flower and want one that will bloom outdoors from June till November.



Ingeborg Egeland Cactus Dahlia, Beautiful Silk Crimson; 30c each, 3 for 75c

PEONIES

These big hearted flowers are as much liked by us today as they were by our grandfathers a century ago. Paeonies will grow and do well where pieplant will. Give them a deep, rich soil, plenty of barnyard manure, or better still, manure from the hen house, and they will repay you one-hundred fold. The Paeony, once planted, will last a generation and grow better every year.

SELECT SORTS

L'Esperance—Earliest of all, bright pink, very double, very fragrant, a beautiful variety. Each, 30c; 2 for 50c.

Pottsi—Dark crimson, yellow stamens showing through the flowers; blossoms early. Each, 40c; 2 for 70c.

Louis Van Houth—Deep, dark crimson, very fine. Each, 35c; 2 for 60c.

Nigra—Darkest crimson of any, full double, free bloomer, blooms late. One of the best for cut flowers. Each, 35c; 2 for 60c.

Andrie Laures—Is a deep red, very double, late blooming paeony; loves deep, rich soil. Each, 30c; 2 for 50c.

Grand a Flora Alba—White, large and full.

Festiva Maxima—Is the queen of all. It has every point of excellence. The flower of great size, with glorious form of purest white, fleeced with crimson, bringing out the white in clearer relief. (See inside cover page.) Each, 75c; 2 for \$1.25.

Golden Harvest—Color pinkish white, cream and gold. Each, 50c; 2 for 90c.

Choice Mixed Paeony, all colors fine and showy blossoms; each, 15c; 6 for 75c.

Shasta Daisy—Perfectly hardy, of easy cultivation and blooms for several months. **Potted clumps**, each 25c; 12 for \$2.00.

Hardy Phloxes—Extremely showy and satisfactory plant. All colors. **Choice roots**. Price, 10c each; \$1.00 per dozen.

Bleeding Heart—An old-fashioned favorite, equally well adapted for forcing as for planting the open border. **Large clumps**, 35c each; **small clumps**, 15c each.

Maderia Vines—One of the best and most popular climbers, on account of its leaves, which are small dark green and very dense. **Strong roots**, 5c each; 50c dozen.

FLOWERING PLANTS

For Bedding, Window Boxes and Vases.

Aster Plants—Giant branching, ostrich feathered type. **Comet Aster**, loose plants in bulk, 15c doz.; potted plants, 5c each, 50c doz.; in baskets each, 35c per basket of doz. mixed colors or straight of either.

Canna Plants—Potted plants, tall dwarf or medium, green foliage or bronzed leaf, orchid flowering in 4 inch pots, 3 to 4 leaves, 25c each, \$2.00 per doz. King Humbert bronze foliage, 25c each, \$2.50 per doz.

Coleus Plants—For border work. Golden, green, red, black and variegated foliage 2½ inch pots, 5c each, 50c per doz.

Dusty Miller Plants—For foliage only; border plant of finest sort, 2½ inch pots, 5c each, 50c doz.; 3 inch pot size, \$1.00 doz.

Daisy—Shasta, in large clumps, 25c each; \$2.50 per doz.

Geranium Plants—The Orb of Day, the grandest of all bedding plants. Double flowering; dark red, pink and white; potted plants only, 2½ inch pots, 10c each; \$1.00 doz.; 3 inch pots, 15c each, \$1.50 doz.; 4 inch pots, 20c each, \$2.00 doz.; 5 inch pots, 25c each, \$2.75. doz.

Lobelia Plants—Easy culture, used in vases and border; blue flower, 2½ inch pots, 5c each, 50c doz.

VEGETABLE PLANTS

We grow large quantities of Vegetable Plants and roots, and can supply all the varieties listed below in their proper season. Well grown and packed to carry a long distance. They can be shipped from the beds on a day's notice.

Cabbage Plants—Transplanted plants, early sorts, ready April 25; late sorts ready May 20. Per doz., 15c; per 100, 75c; per 1,000, \$5.00. Seedling plants cheaper.

Cauliflower Plants—Early Snowball and second early, transplanted plants, 25c doz.; \$1.50 per 100.

Celery Plants—Ready May 20. Early White Plume, Golden Self Blanching and Pascal, per doz., 10c; per 100, 50c.

Egg Plants—In pots or growing in basket of earth only; potted, 60c doz.; basket earth, 50c.

Pepper Plants—Bull Nose and Chinese Giant in bulk, 15c doz.; in basket earth growing, per doz., 35c; per 100, \$1.50.

Sweet Potato Plants—Ready about May 20. Yellow Jersey plants, per 100 plants,

Lantana Plants—Creeping sort for hanging baskets and porch boxes; flower lilac tint; perpetual. 15c each, 2 for 25c; \$1.50 per doz.

Pansy Plants—Mixed colors, finest French strains, large fluted flowering sort; potted, 2½ inch, 5c each; 50c doz. In baskets earth, per basket of doz., 35c; in bulk per 100, \$2.00.

Petunia Plants—Single large fringed flowering Italian strains, 2½ inch pots, 5c each, 50c doz. Double flowering sorts, 15c each, \$1.50 doz.

Salvia Plants—Richest scarlet flower; finest of all bedding plants; long spikes of dazzling red, lasting all summer, until frost; 2½ inch pots, 60c doz.; 4 inch pots, \$1.50 doz.; in baskets earth, 50c basket of doz.

Sprengeri (Emerald)—Feather foliage only; for porch boxes and hanging baskets; 2½ inch, 10c each; \$1.00 doz.; 3 inch pots, 15c each, \$1.50 doz.

Verbena Plants—All colors; 2½ inch pots, 5c; doz., 50c.

Vinca Vines—Foliage only; variegated and green; hanging baskets and porch boxes; 2½ inch pots, 10c each; \$1.00 doz.

Hanging Baskets—For porches and veranda. \$1.50 to \$3.00 each.

50c; per 500, \$2.00; per 1,000, \$3.50.

Tomato Plants—Dwarf Champion (Tree). May 1st. Potted plants, 5c each; 50c Earliana and other leading sorts about doz.; 1 doz. growing in basket earth, 25c basket; loose in bulk.

Transplanted Plants—Doz., 15c; per 100, 75c; per 1,000, \$6.00.

Seedling Plants—50c per 100; \$3.00 per 1,000, all when ready.

Parsley Plants—In basket earth, 35c per basket of 12.

VEGETABLE ROOTS

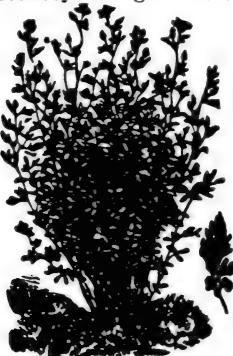
Asparagus Roots—Crowns should be set early in spring or late in fall. Columbian White or Conover's Colossal, 2-year, per doz. roots, 25c; per 50, 75c; per 100, \$1.00.

Rhubarb or Pie Plant (Wine Plant)—Roots can be planted either fall or spring. Choicest large sorts, roots, 5c each; 50c doz.; per 100, \$3.00.

Horse Radish—Large roots, 5c; per doz., 25c. Special price in quantity.

CLOVER AND GRASSES

The Clover and Grass Seed we handle are clean and free of all foul and obnoxious weed seed. We invite everyone interested to call and inspect our stocks before buying elsewhere. Remember, all prices named on these seeds are subject to market changes. Ask for samples and special prices on your needs. Grain bags extra, 25c each. Come, be friendly and give us a call.



ALFALFA.

ALFALFA CLOVER

This grand clover forage plant is now a success everywhere. Every farmer has either heard of or knows its worth and merit. The plant grows, thrives and does well on any of our rolling prairies or well drained bottom lands. The vigorous roots, searching for moisture, sink deep into the ground, bringing to the surface the fertilizing materials stored in the earth for ages whilst through the bacterial organism inhabiting the nodules on the roots of the plant alfalfa is enabled to utilize the atmospheric nitrogen of the air, thus leaving the land richer and better for succeeding crops than when first sown. Three crops are often cut in one season, and from four to eight tons of excellent hay is the annual reward. As a pasture it unfolds like magic with the first smile of spring, a velvet of green the entire summer through, lasting late into the fall and early winter. The young plants are tender; the seed should not be sown till the frost has left and the ground is warm. One bushel of 60 lbs. will sow three acres. It should not be cropped or pastured the first year. Can be planted with a light nurse crop of barley, speltz or wheat.

The stock we handle is the very best of hardy northern

CLOVER AND GRASS SEEDS—Continued

grown seed. We offer at present some choice **Native Grown** seed and **Imported** seed at prices ranging from **\$9.00 to \$10.00** per bushel, subject to market change. A special price will be made with samples on application. **Grimm's** and **Baltic** alfalfa are specially hardy strains lately come to notice. Ask for prices on these.

Medium Red Clover—This is by far the most important of all the varieties for practical purposes. Sow in spring or fall, and if no other grasses are used, at the rate of **15 pounds per acre**; more is used on old soil than on new. Price per lb., **.35c**; per bu., **\$14.00 to \$15.00**. **Prices subject to change.**

Mammoth Red or Sapling (Trifolium pratense). Similar to Red Clover, but coarser, taller and more hardy. Sow from **12 to 15 pounds per acre**. **Price, .30c lb.; bu., \$13.00**.

Alsiike or Swedish Clover—The most hardy of all clovers. On rich, moist soil it yields an enormous quantity of hay or pasture, but its greatest value is for sowing with other clovers and grasses, as it forms a thick bottom and greatly increases the yield. The heads are globular, fragrant and much liked by bees, which obtain a large amount of honey from them. Sow in spring or fall at the rate of **10 pounds per acre** when used alone. Price per lb., **.25c**; fancy seed per bushel, **\$13.00 to \$14.00**. **Prices subject to change.**

White Clover—A small perennial variety, valuable for pasture and for lawns. It accommodates itself to a variety of

soils, and can be grown anywhere. Can be used to great advantage in pasture mixtures. Sow in spring at rate of **8 to 10 pounds per acre**, or when used with other grasses half that amount. Per lb., **.40c**; per **1/4 bu., \$6.00**; per bu., **\$20.00**. **Prices subject to market change.**

Japan Clover (Lespedeza Striata). Thrives in any soil and in the driest seasons; it makes fair hay and stock eat it readily when green. Sow in the spring, **15 lbs. per acre**. **Price, .1b., .25c; 15 lbs., \$3.00**.

BROMIS INERMIS

(Awnless Brome Grass.)

A hardy perennial standing extremes of heat, cold and drouth better than any other of our cultivated grasses. Is especially adapted to the northwest. It grows with great rapidity and produces heavy hay crops and luxuriant pastures. All kinds of stock eat it greedily, and the analyses made show that it is exceedingly rich in flesh-forming ingredients. Sow about **15 to 20 pounds** to the acre. Price choice Dakota grown seed, per lb., **.15c**; per bu., **\$1.60 to \$1.75**; per **100 lbs., \$12.00**, subject to market change. Will make you a very close price on big lots.

KENTUCKY BLUE GRASS

The universal pasture grass of America and the finest **lawn grass** in the world is our own **Kentucky Blue Grass**.

It starts like magic with the first smile of spring, and is a velvet of green until winter comes. It can be sown on the wild prairie and will catch, but the best results are to be had by getting the seed well mixed with the soil. The seed we offer comes direct from **Kentucky** in car lots, and is fresh clean and pure. Sold at rate of **14 lbs per bu.** **Price .35c per pound; half bushel, \$2.25; per bushel, \$4.00; in 8-bu. bag, \$31.00**. Close price in quantity for the very best quality.

All prices subject to change.
ENGLISH BLUE GRASS
Meadow Fescone.

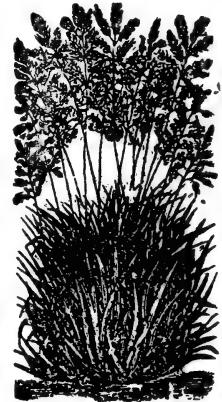
In just a few years this grass has come to the front like magic. This is due to the fact that it is a success everywhere, on all kinds of land and never freezes out. It comes early in the spring, is green all summer and lasts until late autumn. It's a nutritious pasture and a valuable hay crop, too. It's a perennial, **2 to 3 feet high** and heads out in June. You can't sow it in the air and get it to grow in the ground, but if the land is at all cultivated and the seed well covered it is sure to grow. We unhesitatingly recommend it to every farmer. Price best seed, per lb., **.35c**; **14 lbs., \$4.00**. About **15 lbs. per acre**. Special price on quantity.



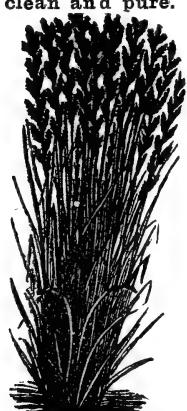
RED CLOVER.



Bromus Inermis Grass



Kentucky Blue Grass



Italian Rye Grass



English Blue Grass

ITALIAN RYE GRASS

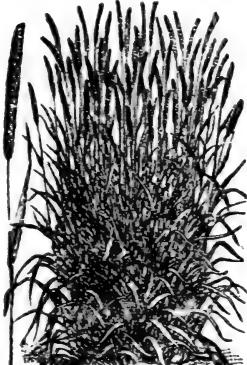
This grass, though but an annual in this climate, produces such great results that in a very short time after the seed is sown it makes as fine a pasture as other grasses of land standing. It grows about **2 to 3 feet high**. The leaves are very dark green with a rich tint to the blade. It makes a **pasture quick** as oats, wheat, barley or rye would, and being a grass, is of far greater value. It makes a splendid **winter pasture** if left to cure on the ground. Per lb., 15c; per bu., \$1.25. Plant one bushel per acre.

CRESTED DOG TAIL

Crested Dog's Tail (Cynosurus Cristatus). Should enter in moderate quantity in permanent pasture and lawn mixtures. It does well in the **shade**, roots deeply, is stoloniferous and perennial. Valuable in mixture for lawns, putting greens, and for pasture. If sown alone 30 lbs. should be used per acre. Price, lb., 35c; 10 lbs., \$3.00.

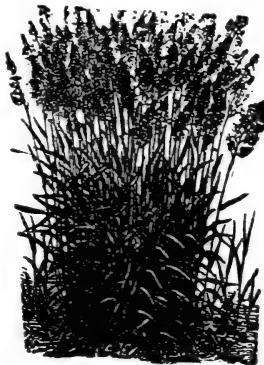
ORCHARD GRASS

Orchard Grass—This grass does well everywhere, and for hay can be cut much earlier than timothy. Succeeds the best of grasses in timbered lands or orchards. Sow one to two bushels per acre. Price best seeds, \$2.50 per bu., subject to market changes.



Timothy.

a deep, substantial sod. The seed often comes in the chaff, but the only thing to plant is the solid seed, clean from chaff. Sow 10 lbs. per acre. We quote best, **solid seed, very best, 25c per pound; 10 pounds, \$2.25; 100 pounds, \$20.00; prices subject to market changes.** Special price on large lots. **Bags extra, 25c each.**



Red Top.

Rape as a pasture for cattle, hogs and sheep, is unequaled by any other plant. It can be planted with the spring crop, and is ready for pasture when the crop is gathered. Sow four to five pounds to the acre. Price, 15 lbs., \$1.00; special price on 100 lb. lots.

Red, or Creeping Fescue (Fescuta Rubra). Forms a close, rich sod and is valuable in lawns and should be in **shade** mixtures. Makes a close, lasting turf on dry, sandy soils, and can be used to bind dry banks. Also an excellent bottom grass for moist mixture.

Price, lb., 40; 10 lbs., \$3.50.

SUGAR CANE FOR FODDER.

The greatest of all forage and fodder plants. It will yield two crops of fodder and a good fall pasture in one season. Roots deep into the subsoil and stands the droughts that often destroy other crops. As a rough provender it is unsurpassed. Sow 1 to 2 bushels per acre. Price per bu., \$1.25 to \$1.50, subject to market change. **Bags extra, 25c.** Special prices in quantity.

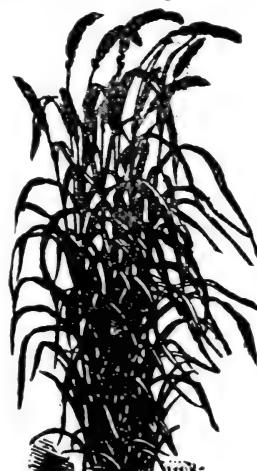
GERMAN MILLET.

Of all the different kinds of grasses and forage plants raised for either hay or pasture, Millet is the most widely known and extensively used. If droughts wither or rains and floods drown out and destroy the early planted fields of grain, Millet is the farmer's next resort. The pure German Millet, of all the well known kinds is by far the most valuable. This well known sort reaches

the acme of perfection in the more southern states, and it is a fact that when the southern grown seed is planted in the north it produces a taller stalk and heavier growth of foliage than can possibly be raised from our own northern grown seed. It is the judgment of those who have tried the seed from both sections side by side the planter had better pay \$2.00 per bushel for pure, southern grown German Millet than to have the other as a gift. Plant **three-fourths** bushel per acre. Pure **Southern Grown Millet**, bushel, \$1.50; **Tennessee Grown Millet**, bushel, \$2.00; Home Grown Millet, bushel, \$1.50; **Japanese Millet**, (Million \$ Grass), bushel, \$1.25; subject to market change. **Bags extra, 25c each.**



Sorgum—Sugar Cane



German Millet

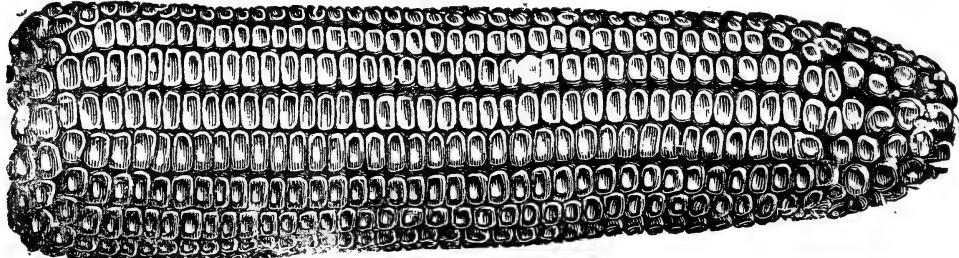
**TIPPED
SELECTED**

SEED CORN

**TESTED AND
GRADED**

A Disastrous Mistake

Has been made by thousands of farmers sending too far south for their seed corn. Our seed corn is **grown here** in the north, acclimated, selected and tested. We give no guarantee of crop, either expressed or implied, or guarantee of any kind, but if any one wishes to test our seed corn **before planting** and is not satisfied with the test, they can return the seed and get their money back. Owing to the intense weather conditions the past fall season corn for seed is rather uncertain. Seed corn in consequence will not be so plentiful as past season, especially on large late sorts. Prices will range firmer. All quotations subject to change as season advances.



MICHAEL'S EARLY MURDOCK

A beautiful **Yellow Dent** variety, well adapted on account of its **extreme earliness**, to Southern Minnesota, South Dakota and the **Northwest corn belt section**. It was bred up in Wisconsin by careful selection. The ears have well filled out tips, **16 to 20 rows**, and very compact on the cob, something like Reid's Yellow Dent, fairly smooth on the outer edge and uniformly a **rich yellow**. The stalks medium in height, stout and stocky, with the ears borne at a regular, uniform distance from the ground. It is a **ninety-day** variety, as early as Pride of the North, **larger ears**, and as a cropper compared to that old, well known sort has double the yield. **Sample on application**. Price for selected seed shelled, per bushel, \$2.50; 5 bushels, \$10.00; on the ear in bushel crates, \$3.50 per crate; **12 type ears**, \$1.00; one **select type ear** (by mail), **25c**.

MINNESOTA NO. 13

An early Yellow Dent sort. Small ears. Introduced by Minnesota experiment station. Early, hardy and productive. Price, per bushel, **\$3.00**.

IMPROVED PRIDE OF THE NORTH

This is a well known old variety, beautiful, deep dented, fine golden color, **90-day corn**, small ear, but a tremendous sheller—70 pounds of ears will shell 63 to 64 pounds. Our strain is superb—the finest ever offered in the west. **Price \$2.50 per bu.**

REID'S YELLOW DENT

This corn is light golden in color. The ears are **9 to 11 inches long; 18 to 24 rows** of kernels, each containing **50 to 60 kernels**. The cob is completely covered with solid corn. The kernels are moderately rough, rather narrow, medium in thickness, knit very closely together, with no lost space between the rows, and of all corn this is easiest to shuck. Price, shelled, \$2.50 per bushel; on ear, \$4.00 per bushel crated.

IOWA SILVER MINE—Is perhaps better known and more widely grown than any other white corn. It is medium early and a good yielder. The type and character of the corn is uniform. Ears are about **10 to 11 inches long; 16 to 20 rows** of fine, deep kernels on a small cob. **White corn is certainly the best for old ground**. Stock limited. Price, per bushel, \$2.50; 5 bushels, \$10.00; on ear, \$3.50.

FUNK'S NATIONAL YELLOW DENT

The seed that we offer of this grand corn as grown from originator's seed stock on our corn farm near **Sioux City**. We found it to be a medium in season, very large eared variety, getting out of way of frost in about **110 days**. It is a **deep yellow dent**; ears, **8 to 11 inches** with **18 to 24 rows** of kernels. Cob small, carrying large **per cent of grain** to the ear. Stalks heavy **below the ear** with **powerful roots** which render it storm proof and drought resisting. We recommend it especially for **northern Nebraska, Iowa, and southern part of South Dakota**. Price, per bushel, shelled, \$3.00; 5 bushels, \$12.00; on the ear selected and crated, \$3.50 per bushel; one **select ear** (by mail), **25c**.

NOTICE—We also have the **Leaming Corn, Wisconsin White Dent**, both **Yellow** and **White Flint**, and other sorts, also at prices of **\$2.00 to \$2.50 per bushel** on each. Special prices and descriptions on application.

NATURE'S WAY SEED TESTER

Requires no numbering, no Booking, nor Artificial Incubator Lamp Method. The most perfect and practical Seed Tester made.

SEED OATS—Swedish Select

Swedish Select Oats was first introduced about twelve years ago with great success. Years of continuous inbreeding have reduced its vitality. The original Swedish Select have deteriorated. To bring back this oat to its original state of productiveness a system of regeneration has been applied by mating plants of **Swedish Select** grown in America and England, and the infusion of this new blood has actually yielded from 20 to 40 per cent more than the original stock when tested under precisely similar conditions. We offer native grown **Regenerated Swedish Select** stock at \$1.25 per bushel; 5 bushels for \$6.00. Garton's regenerated imported stock at \$3.00 per bushel, F. O. B. Chicago, in 4 bushel lots in burlap bags. No charge Samples on application.

NEW KHERSON—60 Day Oats

Well suited to growing on rich black prairie soil, for the reason that they will stand up satisfactorily. The oat itself is a small grain and yellow in color. They are surprisingly heavy and great yielders. They have a thin hull and are practically all meat. Price, per half bu., 50c; per bu., 90c; 10 bu., \$8.00; in burlap bags, no charge.

BARLEY

Recleaned for seeding. No. 1 Dakota grown stock, 6-row barley, \$1.50 per bushel.

FLAX SEED

FLAX SEED (for seeding, recleaned seed). On account of the very high price this article has been selling at the past couple of years, there is quite a demand for the seed, and good qualities, free of foul seeds, are scarce. We quote only native grown fancy recleaned seed for seeding purposes at \$3.00 per bu., burlap bags free. Prices subject to change.

SEED POTATOES

RED RIVER EARLY OHIO—The stock of Early Ohio we offer is grown in the Red River Valley of the north. They are from ten days to two weeks earlier than common stock; are pure and free from scab, and were raised especially for seed. If you want something pure, something earlier than anything else, don't fail to get a few bushels of these choice earlies. Price, per pk., 50c $\frac{1}{2}$ bu., \$1.00; \$1.75 per bushel.

QUICK LUNCH POTATO—One of the most valuable first early potato. Very productive, globular in form, uniform in size, pure white, with a pinkish cast around each eye. Price, pk., 50c; $\frac{1}{2}$ bu., \$1.00; bu., \$2.00.

RED RIVER TRIUMPH—The Triumph is the earliest of all varieties, and is the leading early potato all through the south. The tubers are nearly round, smooth, medium in size, reddish pink in color. Price, per $\frac{1}{2}$ bu., \$1.00; per bu., \$1.75.

RURAL NEW YORKER NO. 2—The standard white market potato. It is very large, usually smooth, oblong, inclining to round, and rather flattened. Skin and flesh white. Price, $\frac{1}{2}$ bu., 75c; bu., \$1.35.

SIR WALTER RALEIGH—King of late potatoes. This is an improved Rural New Yorker No. 2. Yields almost all marketable sized potatoes, which are a little earlier and of better quality than Rural. Fine grained and white fleshed. $\frac{1}{2}$ bu., \$1.00; bu., \$1.85.



STRAWBERRY PLANTS

Plants marked (P) are pistillate and those marked (S) are staminate; (B) is for bi-sexual.

Plants should be planted as soon as possible after digging.

Strawberries will succeed in any soil that is thoroughly prepared to a good depth. For field culture set in rows 3 to 3½ feet apart, 15 to 18 inches in rows; for garden 15 to 18 inches each way. To produce fine, large fruit, keep in hills, pinching runners off as soon as they appear.

WARFIELD (P)—EARLY. One of the most popular varieties of Strawberries grown. It is a beautiful, large, top-shaped berry, with a glossy red exterior that does not fade or become dull after picking. The inner part or flesh is a dark red clear to the center, and exceedingly juicy, just tart enough to make it delicious. The neat, slender stem and green calyx joins the berry in such a way as to form a short neck, which adds much to the beauty of the fruit.

Plant with two rows of Warfields, one of Dunlaps.

SENATOR DUNLAP (B)—MEDIUM TO LATE. One of the most popular varieties known to the strawberry world. Dunlap is a producer of large, handsome fruit, rich dark red, with a glossy finish, shaded to deep scarlet on the under side, and prominent bright yellow seed that look like gold bronze. The meat is bright, of a delicate flavor, and exceedingly juicy. The foliage of the Dunlap is tall, bright green, upright with a long leaf. Plant with Warfield.

BEDDINGWOOD (S)—By some considered the very best early berry. Immensely productive. Healthy grower. Fruit large, bright red, excellent quality. For near market and home use this will be one of the most satisfactory. Excellent fertilizer for Warfield.

PRICES STRAWBERRY PLANTS—25 for 25c; 100 for 80c; 500 for \$2.75; 1,000 for \$5.00.



Nursery and Fruit Tree Department

We handle only such kinds and varieties of trees, shrubs and plants as grow here and stand this climate. Stock strong, true to name, dug when wanted and roots carefully packed in wet moss for shipping.

APPLES

KINGLY VARIETIES		The Horticulturist of the Northwest places the following varieties of apples at the head of the list for hardiness and quality:		
Yellow Transparent	Ea. Sum.	{	and highly recommended	Northwest Greening —Winter.
Duchess	Earliest Summer.	{	see prices given below.	Patten Greening —Winter.
Wealthy	Fall.	{		Iowa Blush —Winter.
Haas	Fall and Winter.			Jonathan —Winter.

PRICES.

These prices are for selected, hardy trees that grow and bear fruit:

	Each.	Per 10.	Per 100.
Apple and Crab , standard varieties, select, 4 to 5 ft.	\$0.35	\$2.50	\$18.00
Apple and Crab , standard varieties, extra select trees, 5 to 6 ft. ....	.40	3.50	25.00
Cherry , standard varieties, very good trees, 4 to 5 ft. ....	.45	4.00	32.50
Cherry , standard varieties, very select picked trees, 5 to 6 ft. ....	.60	5.00	40.00
Plum , standard varieties, native or Japanese, good trees, 4 to 5 ft. ....	.40	3.00	28.00
Plum , standard varieties, native or Japanese, extra select, 5 to 6 ft. ....	.50	4.00	32.00

CRAB APPLES.

Every garden and farm should possess Crab Apples. Trees are ornamental, perfectly hardy, and succeed in all kinds of soil. Annual bearers, usually fruiting the second season after planting. The Florence Crab is the earliest, heaviest bearer.

There are others, but these are best.

Florence	Brier Sweet	Yellow Siberian
Whitney		

The **Florence Crab**—The most valuable crab ever fruited here. Early, large, beautiful, excellent, youngest bearer, most prolific, most profitable of all. The crab to plant in small space. Six feet is ample. Hardest and most ornamental tree we grow. **Exempt from blight.**

Price, selected fancy trees, 5 to 6 feet, each, 50c; half dozen, \$2.50; dozen, \$4.00. . .

CHERRIES.

The Cherry is the most valuable of all fruit trees for the Northwest; perfectly hardy, grows and thrives well on any of our soil. An annual bearer; ornamental as well as valuable. Hardest varieties:

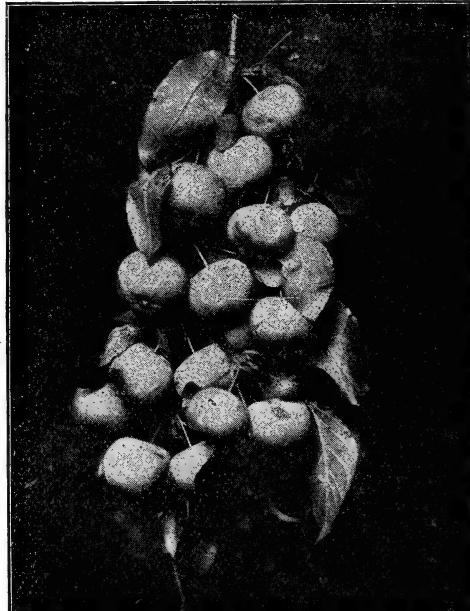
Early Richmond	Osthiem
Wragg	Russian Lutovka

The **New Compass Cherry** bears when 2 years old; 1 year old, 40c; 2 years old, 50c

CHOICE NATIVE AND JAPAN PLUMS.

Native Plums, as to quality and hardiness are: **DeSoto**, the best of all **Wyant, Wolf, Forest, Garden, Hawkeye, Minor, Burbank, Abundance, Red June and Oregon.**

Plums should be set in groups in clusters. Plum blossoms need fertilizing. Set different varieties near each other.



Cluster Florence Crab.

SMALL FRUIT AND ORNAMENTAL SHADE TREES

There is nothing that gives greater returns and more satisfaction than small fruits, and every family owning land from a small lot to a farm should have a "patch of small fruits." Northwestern Iowa produces the strongest and hardest of small fruits.

GOOSEBERRIES.

Each. 12.

Chautauqua , 1 year	25c	\$2.50
Smith's , 1 year	25c	2.50
Downing , 1 year	20c	2.00
Downing , 2 year	25c	2.50

CUREANTS.

Red or White , 2 year	10c	1.00
Fay's , 1 year	10c	.75
Fay's , 2 year	10c	1.00

GRAPEs

We quote only the hardiest kinds:

—Each— —10—

1 yr.	2 yr.	1 yr.
Concord—Black, hardy	10c	15c

Niagara—White , hardy	15c	20c
Clinton—Black , hardy	15c	20c

—Each— —10—

1 yr.	2 yr.	1 yr.
Concord—Black, hardy	10c	\$0.75

Niagara—White , hardy .....	.85	1.25
Clinton—Black , hardy .....	.85	1.50

—Each— —10—

1 yr.	2 yr.	1 yr.
Bartel's Dewberry is hardier than any blackberry in any dry or cold climate—a grand delicious fruit. Price, 12 for 50c; 100 for \$3.00		

—Each— —10—

1 yr.	2 yr.	1 yr.
GARDEN HUCKLEBERRY —This new fruit can be grown from seed the first year and produces berries about as large as gooseberries. The color is jet black, and for canning, preserving, and pies they are excellent, finely flavored and cannot be surpassed by any other berry. Cultivate same as tomatoes. They grow easily everywhere and are immensely productive. The ripe berries make better pies, jelly and sauce than the wild huckleberry. Price, seed pkt., 10c; 3 pks. for 25c.		

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GARDEN H		

NURSERY AND FRUIT TREES—Continued

Lilacs—Do you love the lilac? If so, we have something rare and beautiful. You should have a pair in your yard.

Chas. X—Velvety purple, sweet scented. 35c

Persian Purple—Blooms very young..... 25c

Common Lilacs—15c, 2 for..... 25c

Tree Lilacs—Real trees—not shrubs. It grows 25 to 30 feet high; native of China; blooms in June; great spikes of pure white, honey-scented flowers; very hardy; 50c each.

Spiraea Van Houtii—Bridal Wreath—We can say positively this shrub is the most attractive lawn shrub known. Has white flowers, astonishingly profuse in blooming; very fine for cemeteries. 3 ft., 30c each; hedge size, \$10.00 per 100.

Spiraea—Anthony Waterer—The grand ornamental hedge shrub; grows about 2½ feet high; dwarf, compact bush; very hardy and blooms from June until frost; flowers deep crimson. 30c each; 3 for 75c; hedge size, \$10.00 per 100.

Grandest Snowball—Japan Snowball, the Japanese variety of the old fashioned snowball is one of the most valuable of our hardy shrubs. It blooms in a solid mass of large balls or flowers as white as snow. Each, small size, 25c; medium, 35c; picked

trees, 50c; scented, extremely hardy. 25c each.

CLIMBING VINES

Hall's Japan Honeysuckle, the finest climber, beautiful, trumpet shaped flowers, sweet scented; extremely hardy. 25c each.

Scarlet Trumpet Honeysuckle—Blossoms freely entire season, bright red flowers. 35c each, 2 for 60c.

Clematis—New Sweet Scented Paniculata, grows anywhere; very rapid grower and profuse bloomer; flowers pure white in large clusters; extremely hardy; bright green foliage and fragrant flowers. 2-in. potted plants, sure to grow. In full foliage, 20c each; 3 for 50c; doz., \$1.00.

Trumpet Vine—A splendid, robust vine, climbing high and twining tightly. Large, leathery trumpet-shaped flowers, orange-scarlet in August. Each, 35c; 2 for 50c.

Wild Grape Vine—Cultivated vines, 25c each.

Dutchman's Pipe—A vigorous and rapid growing climber, bearing singular brownish colored flowers, resembling in shape a pipe. Fine light green leaves, which are of very large size, and retain their color from early spring to late fall. 35c each! 3 for \$1.00.

BRANDT SPRAYER

In valuable in orchard, garden and field. and spraying cap. Double nozzle extra, \$1.00 each. No. 2 cap for Bordeaux Mixture, 20 cents. You can have this free for \$30 order of nursery stock.

ROSES AND SHRUBS

We handle nothing but the **very hardiest** varieties are too tender for the northwest. Many varieties are field grown, are more easily transplanted, and harder. Before planting roses cut them back severely.

Mildew—Use Bordereaux Mixture as long as the disease continues. **Slugs**—Use Heliole or Arsenic till destroyed. **Lice**—Use Kerosene Emulsion; apply until destroyed.

HYBRID ROSES—Gen. Jacqueminot.

Paul Neyron.

M. P. Wilder.

John Hopper, 30c each; 3 for 75c.

MOSS ROSES—Glossy pink, very hardy; 35c each.

SUMMER ROSES—Madam Plantier.

Persian Yellow.

Harrison Yellow.

Price, 30c each; 3 for 75c.

CLIMBING ROSES—Baltimore Belle.

Queen Prairie.

Seven Sisters.

Dorothy Perkins.

Price, 25c each; 3 for 75c.

There are **Gems of Beauty Among Flowers**
More Dazzling than Diamonds.

hybrid perpetual; flowers large, beautiful, very double, deep rich rose. 35c each; 2 for 60c; 3 for 90c.

BABY RAMBLER—The ever blooming dwarf Crimson Rambler. 25c each; 2 for 50c.

COQUETTE ALPS ROSE—Blooms every day; beautiful, fragrant white flower. 30c each.

ORNAMENTAL SHADE TREES.

Each.

Mountain Ash, 5 to 6 ft.	.....	\$0.50
Linden, European, 5 to 6 ft.	.....	.40
Poplar, Silfer Leaf, 5 to 6 ft.	.....	.30
Sycamore, 5 to 6 ft.	.....	.40

FOREST TREES—SEEDLINGS.

	1 yr. 100.	2 yr. 100.
Ash Seedlings	.....\$0.75	\$1.00
Box Elder Seedlings	..... .75	.90
Elm Seedlings	..... .75	.90
Cottonwood Seedlings	..... .50	.75

EVERGREENS.

On receiving trees from a nursery the boxes or packages should be immediately unpacked and the roots dipped in a puddle of rich mellow soil, about the thickness of paint, ready for use, and be careful not to let the roots get dry before planting.

Blue Spruce—This is a King of Spruces, clothed in royal robes of silver and sapphire; growing at an altitude of from 8,000 to 10,000 feet; also equally as well anywhere on our rolling prairie. Price, 2 ft., each, 75c; taken with ball of dirt, each, \$1.50.

Evergreen Seedlings—Plant as above; throw coarse straw over the ground and close to the little trees; just so the tops will stick out about one-half their length. Price, per doz., 50c; per 100, \$2.50.



Evergreen Taken up with Ball of Earth for Transplanting. \$1.50 to \$2.50.

POULTRY SUPPLIES

The New Way to Spray

THE STANDARD SPRAY PUMP

As used with Bucket, Knapsack, Tank or Barrel for Spraying Orchards, Gardens, Vineyards, **White-washing**, Disinfecting Chicken Houses, Killing Vermin on Stock. It throws a spray 25 feet; throws a solid stream 50 or 60 feet high. With two solid brass valves. No leather washers or sockers. No castings to rust. No leaky joints. Nothing to get out of order.

Price \$4.00 Each. Warranted to Purchaser for Five Years.

POULTRY SUPPLIES

We Carry a Complete Line of Poultry Supplies.

STARTER

(For the Little Fellows)



Is a complete and properly balanced food for **small chicks** two days to two weeks old, adapted to their delicate **digestive organs**. It has a high percentage of protein, contains but a small proportion of fat and heating elements.

Keeps the digestive orders of **little chicks** in good condition. There need be no occasion for losing little chicks if our **Chick Starter** be used. **Price, 7 lbs. 25c. 50 lbs. \$1.40, 100 lbs. \$2.50.**

ACME (Scratch Food)

We claim it to be the best all around scratch food offered to the trade. The cracked grains are all screened, there being no flour left in. In fact it is all **food and no waste**. It is properly balanced food and combines great feeding and appetizing qualities.

Price, 10 lbs. 25c, 100 lbs. \$2.15, 500 lbs. \$9.



POULTRY FOODS

Our Poultry Foods are All Food—No Waste Always the same.

EUREKA

(For Chicks 2Wk. to 2 Mo.old)



This is a food intermediate between the **Starter** and the **Acme Scratching Food**. It is coarser than the former, but has all the good qualities of the Starter. It is high in protein, muscle and bone forming elements. **Price, 7 lbs. 25c; 50 lbs. \$1.40 100 lbs. \$2.50.**

ALFALFA MEAL—Alfalfa Meal furnishes the green food that is absolutely necessary for winter egg production, contains protein and phosphate of lime and is the best known substitute for grass and other green stuff. **Price, 8 lbs. 25c, 100 lb. bags \$2.00, 500 lbs. \$8.00.**

CRUSHED OYSTER SHELLS—This is one of the most commonly used articles in poultry yards. One of the best shell producers. **Price, 18 lbs. 25c, 100 lbs. 90c.**

CLAM SHELLS—These are fresh water shells. Are not so clean, nor as heavy in lime as the salt water **Oyster Shells**, but have good value. **Price, 100 lbs. 80c.**

MICA GRITS—Fowls have no teeth. The work of mastication is done in the gizzard, so that it is very essential that the fowls should have plenty of grit. **Price per 100 lbs. 90c.**

CHARCOAL—Most successful poultry raisers feed this soft food. One of the best correctors of bowel troubles and preventatives of disease. An excellent blood purifier. **Price, 5 lbs. 25c; 25 lbs. 75c.**

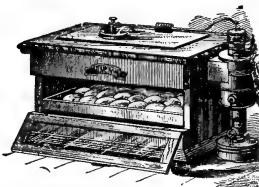
ANIMAL POULTRY FOODS

BLOOD MEAL—It will make hens lay during winter months; in fact, will keep them busy all the year round, Makes the plumage bright and glossy and is particularly beneficial during the moult season. **Price, 6 lbs. 25c. 100 lbs. \$3.50.**

MEAT MEAL is a combination of meat trimmings—lungs, tendons, livers, etc., cooked for five hours in large steel tanks under 25 pounds pressure. **Price, 6 lbs. 25c; per 100 lbs., \$2.50.**

BEEF SCRAPS (Granulated Protein 60 to 65 Per Cent.)—**100 lbs., \$3.25; 500, lbs., \$15.00.**

BONE—Consists of ground beef bone, thoroughly dried and free from grease. It is more economical and better in every way than raw beef bone. Rich in Bone Phosphate and Lime, which is so necessary for making good egg shells and building the frame of the chicken. We carry fine and coarse. **Price, 6 lbs. 25c; per 100 lbs. \$2.50.**



THE QUEEN INCUBATOR

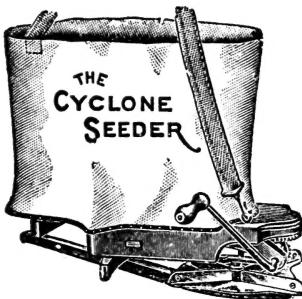
THE QUEEN INCUBATOR has been constructed after many years of experimenting and follows as closely as possible the dictates of nature. We have handled many makes of incubators, but **The Queen** gives the best satisfaction of any we have ever sold. Illustrated catalog, giving price of **The Queen**, free on application. **70 Egg size, \$9.10; 120 Egg size, \$11.20; freight paid.**

HEADQUARTERS PLANET JR.

Farm and Garden Implements



Planet Jr. No. 25. Hill and Drill Seeder at work planting and marking next row.



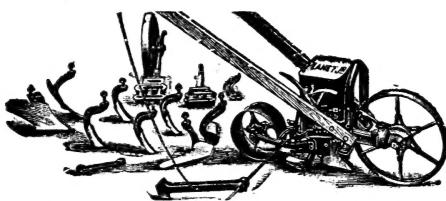
Cyclone Seeders

It is especially designed for distributing evenly all kinds of grain, as well as every variety of grass seed.

Price \$1.25. With seed orders, price \$1.00.

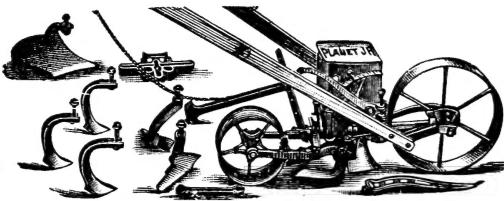


Double wheel at work. Two acres a day can easily be worked with this improved implement.



No. 25 Planet Jr. Combined Hill and Drill Seeder and Double Wheel Hoe Cultivator and Plow.

Price \$13.50.



No. 4 Improved Planet Jr. Combined Hill and Drill Seeder and Wheel Hoe Cultivator and Plow.

Price \$11.00. Drill Only, \$9.00.

Write for Special Catalog of Planet Junior Planters

FERTILIZERS WRITE FOR SPECIAL PRICES IN QUANTITY

Sheep Manure, Pulverized—Wizard Brand—A Pure natural manure, unequalled for mixing with **potting soil or lawns**, general vegetable and flower garden fertilizer. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily. An application of **100 lbs. to 1,000 square feet of lawn**, gives a rich green effect all summer. **Price, 6 lbs. 25c; 25 lbs. 75c; 100 lbs. \$2.25.**

Bone Flour—Steamed Ground Bone—Ground very fine; unexcelled for pot plants or beds where an immediate effect is wanted. **Price, 5 lbs. 25c; 25 lbs. 90c; 100 lbs. \$2.75.** Delivered in city, **\$3.00.**

Nitrate of Soda or Chili Saltpeter—Nitrate of Soda is not a substitute for other manures, but recommended as the cheapest and best form in which to apply nitrogen to plants. As a liquid use Nitrate of Soda at rate of **one ounce** to two gallons of water. **Price, 3 lbs. 25c; 15 lbs. \$1.00; 100 lbs. \$4.50.**

Kainit—German Potash Salt—Most useful for making "Commercial" fertilizers, or can be used alone. If used on lawns it should be spread during winter. Price on application.

Ashes—Canadian Unleached Hardwood—Indispensible as a lawn dressing, or to apply to orchards. They should be applied late in the fall or early in spring, so that the rains and snows may leach the ashes and carry the elements down to the roots of grass or trees. Apply about 1000 pounds to the acre. **Price per 100 lbs. \$2.00.**

Autumn Planting Bulbs

FOR EARLY SPRING FLOWERS

SEASON TO PLANT, OCTOBER AND NOVEMBER

Hyacinth, Tulips, Narcissus, Jonquils, Crocus and Snowdrops, which bloom so early in the Spring are for Autumn Planting only.

Many persons seeing these beautiful flowers all abloom in early springtime, think they can get some too, right away, but alas, their surprise and chagrin when informed that to have them in **Springtime** all abloom the bulbs must be planted the autumn before. We have a **Catalog** of all these **Bulbs and Herbaceous Perennial Roots** for autumn planting, prices, description, etc, free for the asking.

REMEMBER--We have a complete line of these bulbs in season.

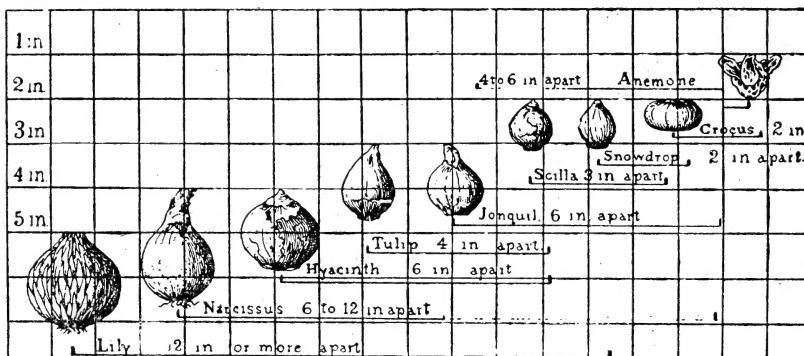


Diagram Showing Depth to Plant Autumn Bulbs Outdoors

Insecticides and Fungicides.

Slug Shot, Hammond's—Guaranteed to destroy potato bugs and those on tomato and egg plants, current worms, cabbage lice and worms. **Price, 1 lb., 15c; 5 lbs., 50c; 25 to 50 lbs. at 6c per lb.** **Slug Shot Duster, each 35c.**

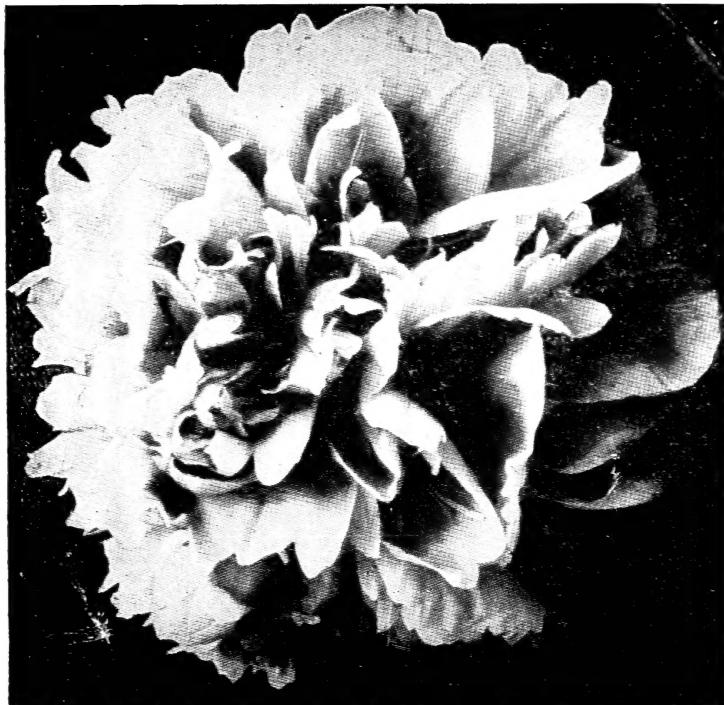
Hellebore Powdered White—Less poisonous than Paris Green and Safer to use when fruit is nearly ripe. **Per lb. 25c; by mail, 40c; 5 lbs., \$1.00; 10 lbs. \$1.80.**

Tobacco Dust—For dusting plants affected with aphid; also used on squash vines and melons, and now largely used for fumigating. **1 lb. 10c; 5 lbs. 25c; 25 lbs. \$1; 100 lbs. \$3.00.**

Fish Oil Soap—An excellent wash for trees and plants, where insects and eggs affect the bark; also used for smearing on trees to prevent worms crawling up. **Per lb. 15c; 2 lbs. 25c; 5 lbs. 50c.**

Best Quality Paris Green—We handle Paris Green in season. Our stock comes from the largest and most reliable manufacturers in the country. We can furnish you best quality and can save you money. Put up in $\frac{1}{4}$, $\frac{1}{2}$, 1 and 5 lb cans.

Dry Bordeaux Mixture—Preventative of blight on potatoes, tomatoes, celery, etc. For fungus diseases, rust, moulds, leaf-spot, leaf-blight, mildew, black knot, rot; also the best remedy for flea beetles. Bordeaux Mixture is a **Preventative and not a Cure**, therefore should be **applied early**. Rust and spot fungi live within the plant, and so cannot be destroyed after once they gain an entrance. **1 lb Carton, 25c; postpaid 40c.**



PEONY—FESTIVA MAXIMA

Festiva Maxima Peony—Is the queen of all. The acme of perfection, with **every point of excellence**. Without exception the plant itself is one of the **hardiest** most **robust and powerful** growers of the entire list of **Peonies**. The flower, a glorious form of purest white, combines great size with wonderous beauty. Often several inches across, and flecked here and there with a speck of crimson, which seems to bring out the white in clearer relief. The flower seems to have reached the ultimate, beyond which we cannot go in its further perfection. **Price each, 75c; two for \$1.25.** See page 14 for other kinds of Peonies.



OSTRICH FERN

Growing wild high as fence

FERNS

HARDY FERNS FOR OUTDOOR CULTURE.

Many of our native hardy ferns take as readily to cultivation as the common garden flowers.

Ostrich Fern—A very handsome species, grows 3 to 5 feet high; graceful as a palm; one of the most satisfactory to grow. Plant about 2 feet apart if several are needed. **25c each; 3 for 60c; \$2.00 per doz.**

Osmonda Claytoniana Fern—Is clothed with loose wool when unfolding its fronds in the spring, soon becoming perfectly smooth. This fern, 2 to 3 feet high, is found in rather dry, shaded places. **25c each! 3 for 60c; \$2.00 per doz.**

IRIS (Fleur de Lis)

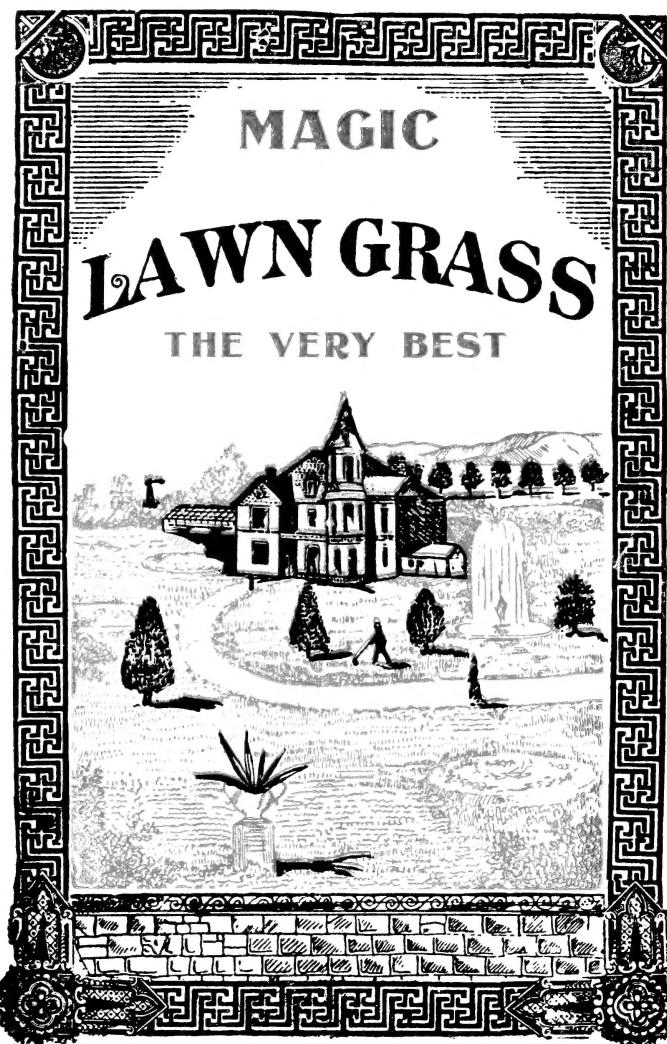
This fine class of stately flowering bulbs is rapidly growing in popularity. The blossoms are of rich and varied colors, quaint forms and delicate fragrance. Every third or fourth year they should be taken up and reset.

GERMAN IRIS—This is the genuine **Fleur de Lis**, the national flower of France; broad graceful petals, of exquisite shades are borne well above dark green foliage on erect stocks.
Price **5c each; 50c doz.**

JAPAN IRIS—Distinct from all others. Flowers are often 10 inches across; a marvelous blending of rich rose shades, very hardy and easy of culture.
Price **10c each; \$1.00 doz.**

DWARF BORDER IRIS—Very early flowering dwarf foliage, profuse bloomer, lavender blossoms. **2 for 5c; \$2.00 per 100.**

SEEDS, BULBS AND PLANTS



MAGIC LAWN GRASS

This is a special **Lawn Grass** of our own preparing. It is made up of the best kinds and highest grades of domestic and imported grasses used in lawn work. It comes up **quick**, and grows like **Magic**, giving a continuous green turf the season through. Have your soil well prepared with a surface of black dirt. Sow at the rate of three pounds to Fifteen Hundred Square Feet. **Magic Lawn Grass** is our brand and sold only by ourselves, at our Seed Store, 316 Pearl Street. Price, per lb. 35c.

KALAKA THE WIZARD LAWN PRODUCER

Is the name given to a new combination of superior lawn grass seeds and pure concentrated dry manure. The careful selection of different varieties of grass seed and the proper proportion of each kind, in combination with pure manure, makes **KALAKA**. Packed only in 5-lb. boxes at \$1.00 per box. **We are Sole Agents.**

THE MICHAEL SEED STORE

Auto Phone
2142

316 PEARL ST., SIOUX CITY, IOWA

Iowa Phone
935-M